Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: MEGADON ENERGY CORPORATION

3. ADDRESS OF OPERATOR: STE. 440, 57 W. SO. TEMPLE, SALT LAKE CITY, UT. 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SW. SW. SECTION 26, T 24S, R 17E, SLM.
At proposed prod. zone: 973' FR. W-LINE AND 687' FR. S-LINE.

5. LEASE DESIGNATION AND SERIAL NO.: U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: OR. [redacted]

8. FARM OR LEASE NAME: FEDERAL

9. WELL NO.: #1-26

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW. SW. SEC. 26-24S-17E. SLM

12. COUNTY OR PARISH: GRAND

13. STATE: UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: APPROX. 25 MILES NW. OF MOAB, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 687'

16. NO. OF ACRES IN LEASE: 2240

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: More than 8 miles

19. PROPOSED DEPTH: 8300' Leadville

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4637' Grd; 4652' K.B.

22. APPROX. DATE WORK WILL START*: Oct. 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	9 5/8"	36.00#	1200'	300 sks
8 3/4"	5½"	17#-23#	Set thru pay	zone - cemented to top of salt.

It is planned to drill a well at ~~the above location~~ to test the oil production possibilities of the Mississippian-Leadville Formation at a depth of approximately 8750'. The well will be drilled with rotary tools using mud and air for circulation. A short piece of conductor pipe (13 3/8") will be set at about 35 feet and cemented and then a 12¼" surface hole will be drilled to a depth which is below the massive sands and cemented to the surface. An 8 3/4" hole will then be drilled to total depth. A blowout preventer, hydril, and rotating head will be used for control equipment. In the event of production, 5½" casing will be set and thoroughly cemented from the bottom up to above the salt section. A prognosis for the well is attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED W. Nom Gregory TITLE President DATE AUG. 21, 1980

(This space for Federal or State office use)

PERMIT NO. 43-019-30688 APPROVAL DATE 9/15/80

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 9-15-80
BY: M. J. Minder

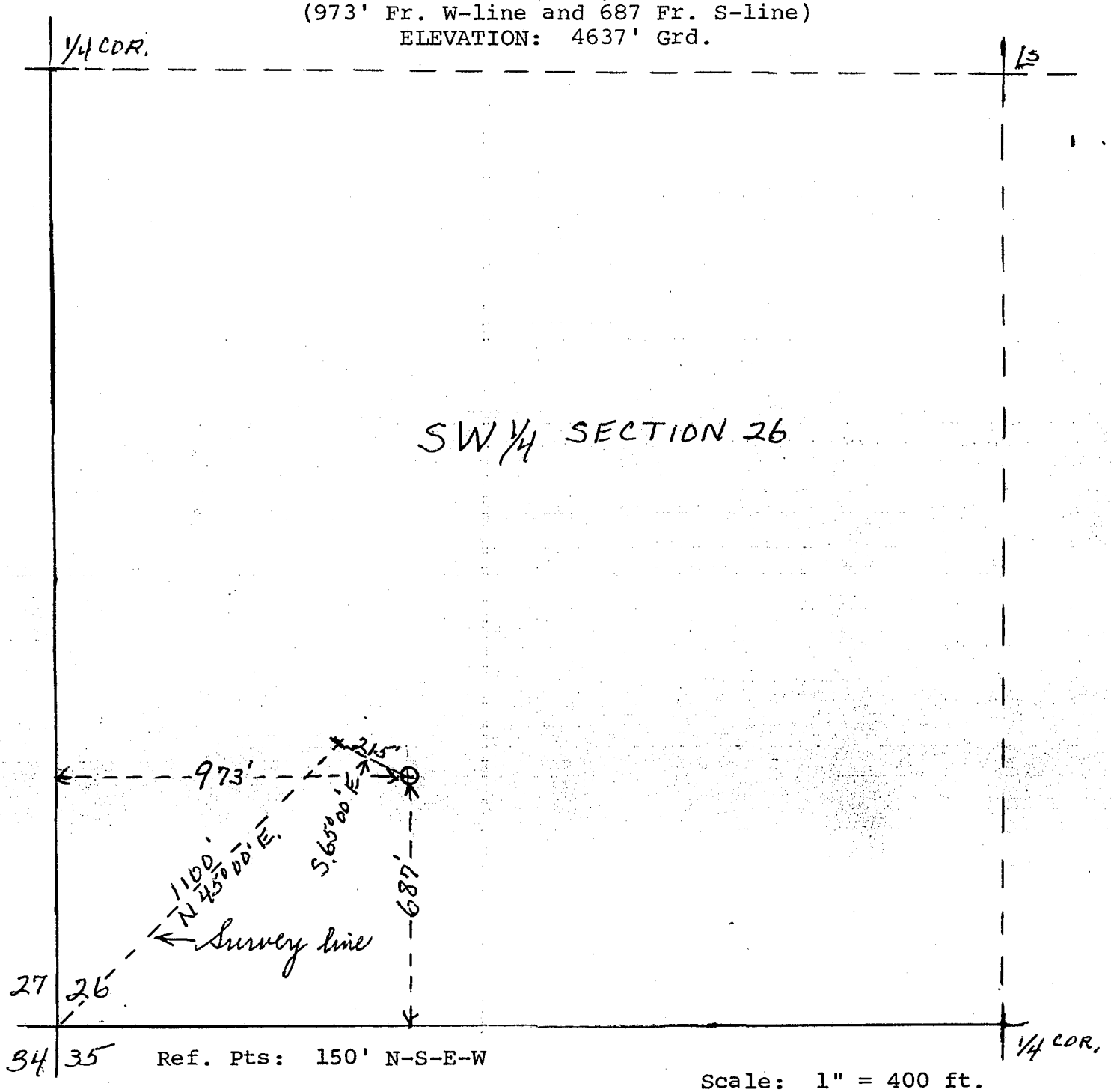
APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED
AUG 28 1980
DIVISION OF OIL, GAS & MINING

SURVEY PLAT FOR
MEGADON ENERGY CORPORATION
TEN MILE UNIT #1-26 WELL
SW. SW. SECTION 26-24S-17E.
GRAND COUNTY, UTAH
(973' Fr. W-line and 687 Fr. S-line)
ELEVATION: 4637' Grd.

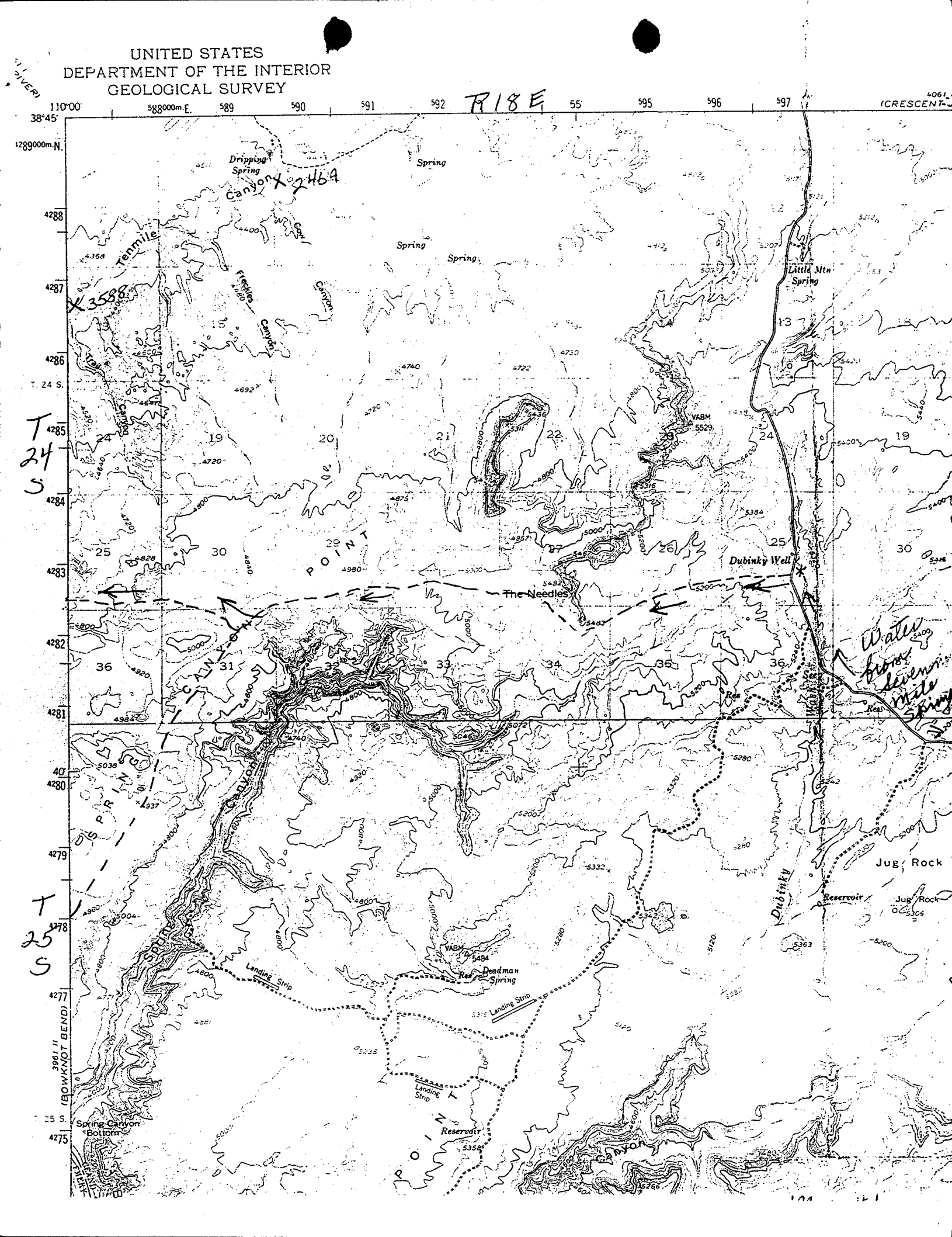


Ref. Pts: 150' N-S-E-W

Scale: 1" = 400 ft.
Date: Aug. 20, 1980

I, Sherman D. Gardner, do hereby certify that this plot was plotted from notes of a field survey made under my direct responsibility, supervision, and checking on August 8, 1980.

Sherman D. Gardner
Registered Land Surveyor
State of Utah #1556


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
R18E
T24S
T25S
Dripping Spring Canyon
Tenmile
Freckles Canyon
Little Mtn Spring
VABM 5529
Dubinky Well
The Needles
POINT
CANYON
Water from Seven Mile Spring
Jug Rock
Reservoir
Dubinky
Deadman Spring
Landing Strip
Spring Canyon Bottom
POINT
Canyon

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: TEN MILE UNIT (Proposed)

8. FARM OR LEASE NAME: FEDERAL

2. NAME OF OPERATOR: MEGADON ENERGY CORPORATION

DUPLICATE

9. WELL NO.: #1-26

3. ADDRESS OF OPERATOR: STE. 440, 57 W. SO. TEMPLE, SALT LAKE CITY, UT. 84101

10. FIELD AND POOL, OR WILDCAT: WILDCAT

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At surface: SW. SW. SECTION 26, T 24S, R 17E, SLM.
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14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: APPROX. 25 MILES NW. OF MOAB, UTAH

12. COUNTY OR PARISH: GRAND — 13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
687'	2240	160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
More than 8 miles	~~8300'~~ 750	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4637' Grd; 4652' K.B.

22. APPROX. DATE WORK WILL START*: Oct. 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12½"	9 5/8"	36.00#	1200'	300 sks
8 3/4"	5½"	17#-23#	Set thru pay zone	cemented to top of salt.

It is planned to drill a well at the above location to test the oil production possibilities of the Mississippian-Leadville Formation at a depth of approximately 8750'. The well will be drilled with rotary tools using mud and air for circulation. A short piece of conductor pipe (13 3/8") will be set at about 35 feet and cemented and then a 12¼" surface hole will be drilled to a depth which is below the massive sands and cemented to the surface. An 8 3/4" hole will then be drilled to total depth. A blowout preventer, hydril, and rotating head will be used for control equipment. In the event of production, 5½" casing will be set and thoroughly cemented from the bottom up to above the salt section. A prognosis for the well is attached.

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED W. Don Quigley TITLE President DATE AUG. 21, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W P Martens TITLE FOR E. W. GUYNN DISTRICT ENGINEER DATE OCT 16 1980

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NOTICE OF APPROVAL
Ut. State O+G

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

PROGNOSIS FOR
MEGADON ENERGY CORPORATION
TEN MILE UNIT #1-26 WELL
SW. SW. SECTION 26, T 24S, R 17E, SLM.
GRAND COUNTY, UTAH

LOCATION: SW. SW. Section 26, T 24S, R 17E, SLM, Grand County, Utah (973' from W-line and 687' from S-line)

ELEVATION: 4637' Grd; 4652' K.B.

SURFACE CASING: One joint of conductor pipe (13 3/8" or equivalent) will be set and cemented manually at the surface; then a 12¼" hole will be drilled to a depth of 1200' for the surface casing. 1200 ft. of 9 5/8", 36.00#, k-55 casing will be set and cemented with 300 sks. of reg. cement w/3% CaCl, with returns to the surface. Casing will be set with a guide shoe and six (6) centralizers. A casing head, Series 900 with #10 flange, will be installed on top of the casing. The cement will be allowed 12 hours to set before nippling up.

EXPECTED FORMATION TOPS:

Formation	Depth to Top	Thickness	Datum
Navajo	Surface	600'	4652' K.B.
Kayenta	600'	50'	4052'
Wingate	650'	400'	4002'
Chinle	1050'	300'	3602'
Shinarump*	1350'	80'	3302'
Moenkopi	1430'	450'	3222'
Kaibab*	1880'	100'	2772'
Coconino	1980'	600'	2672'
Wolfcamp	2580'	500'	2072'
Hermosa*	3080'	1650'	1572'
Paradox Salt*	4730'	3000'	-78'
Pinkerton Trail*	7730'	300'	-3078'
Mississippian*	8030'	—	-3378'
TOTAL DEPTH	8300'		

*Formations which may have hydrocarbons

1. It is planned to set and cement one jt of 13 3/8" casing for a conductor and then to drill a 12¼" surface hole for the surface casing to a depth of about 1200'. (This depth will be sufficient to set the casing thru the Shinarump formation for the protection of possible uranium mines in the area.) Casing, 9 5/8", 36.00#, K-55, R-3, will be run and cemented with 300 sks of cement with returns to the surface. The surface hole will be drilled with air and air mist and a deviation of no more than 2° will be maintained. A casing head, Series 900, will be mounted on top of the casing and a blowout preventer with hydraulically operated blind and pipe rams, and a hydril, will be mounted on the casing head. Fill and kill lines will be connected thru a manifold to the casing head below the blind rams. As soon as the cement plug is drilled out of the surface casing, the B.O.P. and hydril and surface casing will be tested to 2000#.for leaks.

2. A 8 3/4" hole will then be drilled below the surface casing to a depth of about 6000', using air and/or air mist for circulation. At this point, the air system is to be changed over to a salt base mud to permit drilling the salt section below. All subsequent shows of hydrocarbons will be drill-stem-tested. Particular attention will be given to the Cane Creek zone near the base of the salt section. This zone can be productive and is very susceptible to formation damage by the drilling fluids and cement. No barite (barium sulfate) is to be used at any time, if it can possibly be avoided.

3. The hole will be kept straight by stabilization or thru drilling methods. Deviation surveys will be taken at 600' intervals. Maximum deviation will be kept below 6°, if possible, and the maximum drift between surveys will be 2°.

4. Samples of the cuttings will be taken at 30-ft. intervals, beginning at 800', and continuing to a depth of about 6000' or when conversion to mud drilling is begun, then 10' samples will be taken.

5. The well will be drilled to a depth which is at least 300 ft. below the top of the Mississippian formation or to good commercial production. In the event of good production before the Mississippian is reached, the drilling may be discontinued at this point and 5½" casing run to permit drilling deeper at a

later date. The mud program will be supervised by the company representative.

6. At total depth, the well will be logged electrically; and a Gamma-Induction log and a Gamma-Density-CNL log will be run.

7. If production is obtained in the Mississippian, casing, 5½", 23.00#, N-80, R-3 will be run from about 8300 to about 4500' and 5½", 17.00# casing will be run from 4500 to surface, and cemented with about 200 sks of RFC cement and 800 sks of Pozmix (50-50) light cement w/5% salt, 5% gilsonite, and 6% salt. Sufficient cement to cover the salt section will be used.

8. A gamma-cement bond log will be run and the production zone perforated, 2 3/8" tubing run, and completed conventionally. It may be necessary to break down the formation with a weak acid treatment which would be swabbed out immediately after treatment.

9. The drilling of this well should take about one month and completion work should take about ten days.

W. Don Quigley

W. Don Quigley
MEGADON ENERGY CORPORATION
Suite 440, 57 W. So. Temple
Salt Lake City, Utah 84101

Form: DQ-1-79

N T L - 6 P L A N R E P O R T

For

Well Name: TEN MILE UNIT #1-26 WELL

Location: SW. SW. SEC. 26-24S-17E, SLM, GRAND COUNTY, UTAH

1. Existing Roads: (See attached Maps)

A. Well Location: (See Plat #1)

Reference Stakes: 150' N-S-E-W

Perimeter Stakes: Reference stakes also mark perimeter of well pad

B. Route and Distance to Well Site From Reference Point: (See att. maps) Take Hwy 163 North from Moab to Dead Horse Pt. Road, turn west and go approx. 7 mi. to Jct w/Dubinky Well Rd, turn right (NW), go 7 mi. to Dubinky well; turn W. on Spring Canyon Pt. Rd, go 5½ Mi. to stake (pg 7)

C. Access Roads (Identify secondary roads to be used): (See att. maps) The Dubinky Well Rd. is slightly improved, crowned and ditched. The Spring Canyon Pt. Rd is an unimproved trail that is narrow and rough. The last 2½ miles to the site is a trail over sandy flats and ridges. The last mile of road will be new.

D. Roads Within 3 mile Radius: (See att. maps) All the roads near the well site are trails (old seis or uranium claim trails) and are unimproved, rough and sandy.

Surface type and conditions: The surface of the trails is sand or rock (sandstone) and some gravel in spots.

E. Roads Within 1 mile Radius: (See att. maps) See 1-D Above. See above. The last mile of road to the well site will be new and will be on sandy soil among sand dunes.

F. Plans for Road Improvement & Maintenance: The Spring Canyon Pt. road will be graded, ditched, crowned, and watered down to make a firm base. The last 2½ miles to the site will also be improved as

F. above. Some of the rock ridges will be smoothed out. The roads will be cut to the bottom of the washes. The maximum disturbed width will be 22 ft. The travel area will be approx. 16 ft. wide.

2. Planned Access Roads: (See att. maps) Approx. one mile of new road, built across gentle sandy hills and flats.

(1) Width: Maximum disturbed width of 22 ft. w/travel surface of 16'.
(2) Maximum Grades: 6% or less
(3) Turnouts: None required.
(4) Drainage Design: Roads will be ditched.
(5) Location and Size of Culverts, Cuts, and Fills: No deep cuts or fills will be required. The road will be cut to the bottom of shallow washes. No culverts will be used initially.
(6) Surfacing Material: Natural surface of sand, silt, and gravel.
(7) Gates, Cattleguards, or Fence Cuts: None required.
(8) All new roads have been flagged as required.

3. Location of Existing Wells: (See Map No. 2)

(1) Water Wells: None
(2) Abandoned Wells: Several within a 2-mile radius
(3) Temporarily Abandoned Wells: None
(4) Disposal Wells: None
(5) Drilling Wells: None
(6) Producing Wells: None
(7) Shut-in Wells: None
(8) Injection Wells: None
(9) Monitoring or Observation Wells: None

4. Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1): Tank Batteries: (Size) None

(2) Production Facilities: None

(3) Oil gathering lines: None

(4) Gas gathering lines: None

(5) Injection lines: None

(6) Disposal lines: None

(7) Are lines buried? Yes

B. If new facilities are contemplated, in the event of production, show: (These facilities depend on the outcome of the proposed well and are really unknown at this time.) Show a general proposed plan. (See Plat No. 2)

(1) Are any facilities planned off well pad? None at this time. In the event of gas production, a pipeline leading to the main gas line along Hwy. 163 will have to be constructed, but this will be applied for at a later date.

(2) Give dimensions of facilities: See Plat #2

(3) Construction methods and materials: Tank batteries, painted light tan, will be placed on gravel pads and surrounded by a 3' high dike which is 15' from the sides of the tanks. Heater-treaters and pump jacks, if required, will be placed on concrete blocks or raised dirt and gravel pads. All pipe lines on the pad will be buried. Unused portions of the pad will be graded and reseeded. Any fluid pit will be diked and neatly contoured.

(4) Protective measures for livestock and wildlife: All open pits will be fenced with barbed wire, 4 strands, and covered with steamers to protect animals and birds. Pump jacks or rotating machinery will have guards to prevent danger of moving parts.

C. Plan for rehabilitation of disturbed areas no longer needed after drilling operations are completed: Well site will be cleaned, levelled, and graded for production equipment; pits folded-in or

C. fenced with barbed wire if full of fluid before rig is removed. While production ensues, previous areas of the well pad not needed for production operations will be restored as in Item 10 below. Cleaning the site and pit work will be done within 30 days after the well is completed, if possible.

5. Location & Type of Water Supply: (See att. maps)

A. Type of Water Supply: Water will probably have to be hauled from the spring in Seven Mile Canyon on the Dead Horse Pt. road.

B. Method of Transporting Water: The water will be hauled by truck from the spring. This is a distance of about 20 miles.

C. Is Water Well Planned? No new water well.
If so, describe location, depth and formation:

6. Source of Construction Materials:

A. See attached map and describe: None needed

B. Identify if Federal, Indian, or Fee Land:

C. Describe Material: (Where from and how used)

D. See item 1-C and 2 above.

7. Waste Disposal:

(1) Cuttings: Cuttings will be deposited into the reserve pit.
(2) Drilling Fluids: In mud tanks; excess put into reserve pit.
(3) Producing Fluids (oil or water) Oil in tanks; water in reserve pit.
(4) Human Waste: Toilet with pit (4' deep) with lime for odor and sanitation control. Will be covered with soil (3' deep) at end of operation.

(prior to commencement of drilling)

(5) Garbage & Other Waste: (Burn pit will be adequately fenced with chicken wire to prevent scattering of debris by wind) Into burn pit, 14'x12'x6' deep, and burned periodically. The burn pit will be approx. placed 125' from well head.

(6) Clean-up: (See item 10 below) All garbage and unburned debris will be buried by at least 3' of cover after the drilling and completion operations are finished. The unused material and all equipment will be removed from the site and taken to supply yards or to the next drill site, as soon as the well is completed.

8. Airstrips and/or Camp Sites (Describe): None needed.

9. Well Site Layout: (See Plat No. 3)

(1) Describe cuts or fills: The location is on fairly level ground which is underlain by sand or sandstone rock. The Navajo sandstone is outcropped at the surface. A small ridge of sand on the east will be used to level the location.

(2) Describe pits, living facilities, soil stockpiles: The reserve pit will be on the north side and will be dug into the sandstone rock and the excavated material will be piled around the sides. The pit will be about as shown on Plat #2. The burn pit will be about 10' square and 6' deep. Only sand is present on the surface and will be used for location (pg.7)

(3) Rig Orientation, Pipe rack, Access Road Entrance, etc.: (See Plat #3)

(4) Are Pits Lined? Unlined with 6' banks.

10. Plans For Restoration:

A. If Well is completed: Site will be cleaned, debris removed, pits folded-in or fenced with barbed wire if full of fluid, and site levelled for production equipment. All unused portions will be contoured, graded, scarred, and seeded with wheat and rice grass or accept- (pg7)

B. If Well is abandoned:

(1) Clean-up, levelling, folding pits-in, contouring: These items will be done as soon as possible. Clean-up will be accomplished at

B. (1) the time the rig is removed. The reserve pit, if full of fluid, will be fenced immediately and allowed to evaporate before folding-in. The remaining work will be done within 10-60 days after well's completed.
(2) Seeding location and access road: Site will be scarred with a dozer or spike tooth drag and the grass seed or seed mix authorized by BLM will be drilled to a depth of ½". The access road, if no longer needed, will be erased, scarred, and seeded as above. Water bars will be placed where needed.

(3) Will pits be fenced or covered? If any amount of fluid is in the reserve pit, it will be fenced with barbed wire on the 4th side before rig is released and remain fenced until fluid evaporates.
(4) Is there any oil in reserve pit? Should be none.
If so, describe disposal: If any oil in pit, it will be pumped out and removed before covering the pit.

(5) When will restoration work be done? As soon as possible. Within 60 days after equipment is removed, if weather and availability of clean-up equipment permit, and will be completed within 10 days thereafter.

11. Description of Land Surface:

(1) Topography & Surface Vegetation: The location is on fairly level ground and is sandy and rocky. The Navajo sandstone is outcropped on the west side of location and some will have to be ripped up to level the location. A small ridge of sand on the east will be used to help level the location. Sparse grass, sage brush, and a fern-like bush are the only vegetation.
(2) Other Surface Activities & Ownership: There are no continuous activities in the area. Some cattle are grazed in the area. This is Federal land and oil and gas leases have been granted to various oil companies. Tenneco Oil Co. has the lease under drill site. Uranium claims are staked in the area.
(3) Describe other dwellings, archaeological, historical, or cultural sites: No dwellings, cultivated land, irrigation ditches, powerlines, or telephone lines are in the area. This is desert land. There are no known historical or cultural sites nearby. Uranium claim stakes are numerous in the area. An archaeological report will be provided. Jack rabbits constitute the major portion of the wild life in the area.

12. Operators Representative: (Address & Phone number)
W. DON QUIGLEY, Ste. 440, 57 West So. Temple, Salt Lake City, Utah 84101
(801) 359-3575

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and that work associated with the operations proposed herein will be performed by MEGADON ENERGY CORPORATION and its contractors in conformity with this plan and terms and conditions under which it is approved.

Date: AUGUST 20, 1980 Name: W. Don Quigley

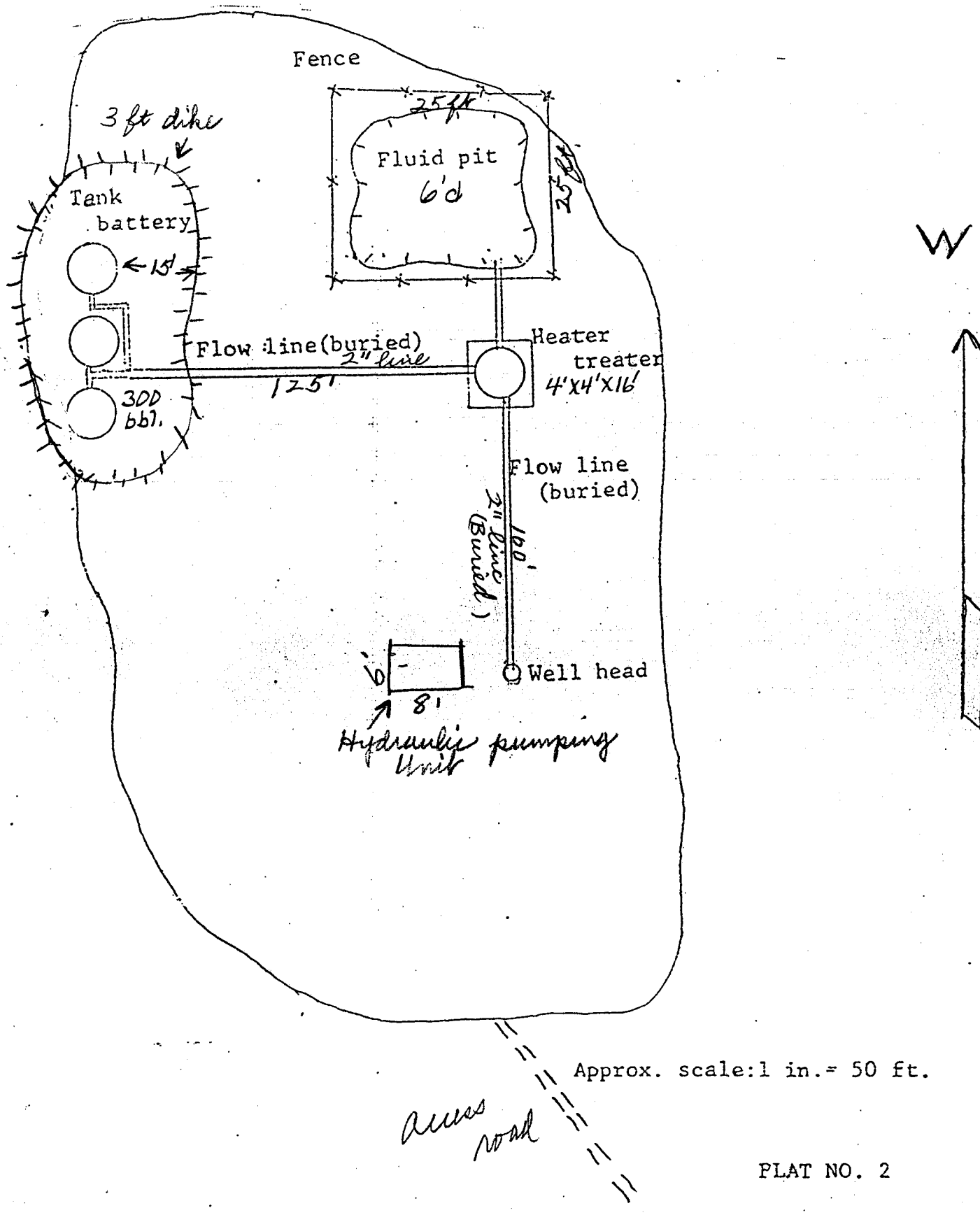
Title: PRESIDENT

1. B: turn right and go 2½ miles to site.

9. (2): work. There will be no stockpiles of soil. Two or three house trailers will be used for supervisory personnel. Reserve pit will be fenced on 3 sides with barbed wire (4 strands) before drilling sommences. The burn pit will be fenced with chicken wire.

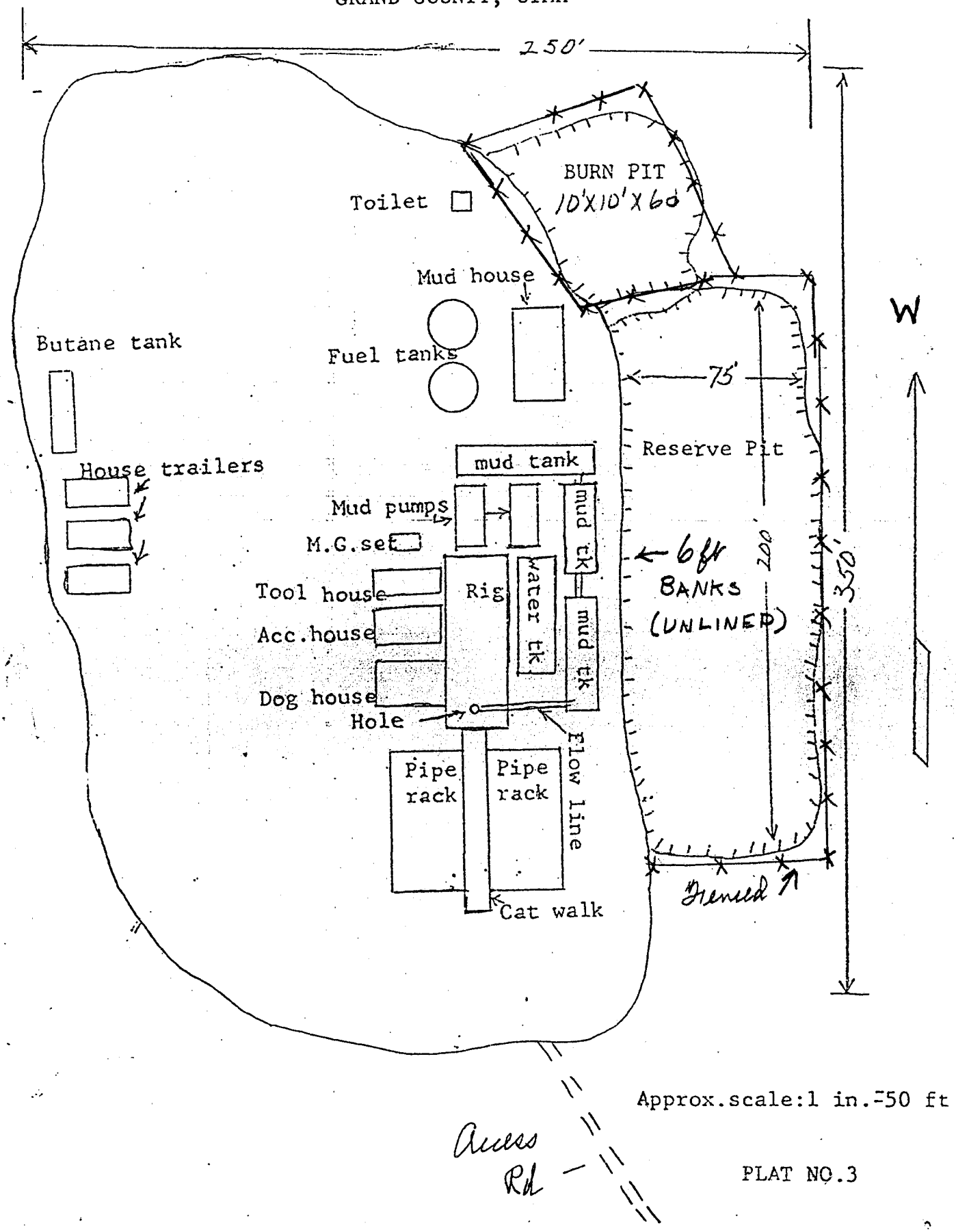
10. A: able seed mix authorized by BLM. This seed will be drilled and sown at a depth of ½".

PLAN FOR PRODUCTION EQUIPMENT
MEGADON ENERGY TEN MILE UNIT #1-26 WELL
SW. SW. SEC. 26-24S-17E.
GRAND COUNTY, UTAH



PLAT NO. 2

DRILLING EQUIPMENT LAYOUT
FOR
MEGADON ENERGY CORP.
TEN MILE UNIT #1-26 WELL
SW. SW. SEC. 26-24S-17E.
GRAND COUNTY, UTAH



Approx.scale:1 in.=50 ft

PLAT NO.3

WELL CONTROL EQUIPMENT FOR
MEGADON ENERGY TEN MILE UNIT #1-26 WELL
SW. SW. SEC. 26-24S-17E.
GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well:

1. Surface Casing:
   A. Hole size for the surface casing is 12¼".
   B. Setting depth for surface casing is approx. 1850',
   C. Casing specs. are: 9 5/8" O.D., J-55, 36.00#, 8-rd. thread, new or used.
   D. Anticipated pressure at setting depth is approx. 700 lbs.
   E. Casing will be run and cemented with 100 sks of cement and with returns to the surface.
   F. Top of casing will be at ground level.

2. Casing Head:
   Flange size: 10"; A.P.I. Pressure Rating: 3000#; Series 900; Cameron, O.C.T., or equivalent; new or used; equipped with two 2" ports with nipples and 2", 3000# W.P. valves. Casing head and valves will be set above ground.

3. Intermediate Casing:
   None

4. Blowout preventers:
   A. Double rams; hydraulic; one set of blind rams for 4" drill pipe; 10" flange; 3000# W.P.; Series 900; equipped with mechanical whe ls and rod for back-up; set on top of casing head and bolted down securely; pressure tested for leaks up to 2000#; Cameron, Shaffer, or equivalent. A hydril and rotating head will also be used.
   B. The fill and kill line are to be connected to the 2" valve in the casing head and are to be heavy duty line pipe or tubing. The kill line will be connected to the mud pump and the flow line will be directed into the reserve pit.

5. Auxilliary Equipment:
   A float valve (3000# W.P.) is to be used in the bottom drill collar at all times. A kelly valve (at least 3000# W.P.) will be installed in the stand pipe and a vlave with proper sub will be available for stabbing in the drill pipe or drill collars.

6. Anticipated Pressures:
   The shut-in pressure of the Mississippian formation at a depth of about 8300' has been recorded at about 3500#, in the Salt

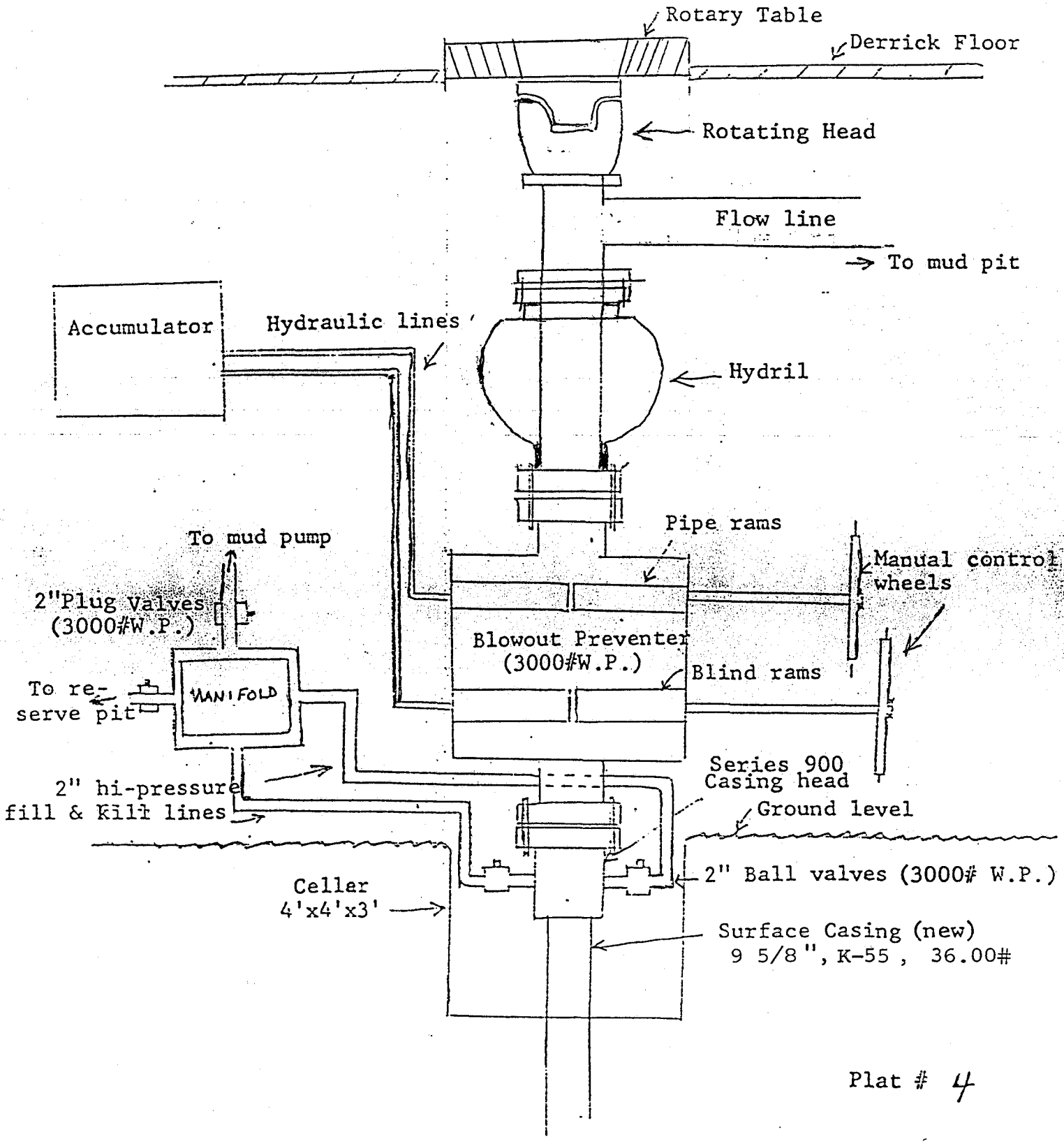
Wash Field. This will be the pressure that will be considered in the control program for the mud.

7. Drilling Fluids:
Normal mud or air will be used to drill the well down to the top of the salt section of the Paradox Formation, which is expected at a depth of about 4700'. At a depth of about 5000', the fresh water mud will be converted to salt base mud to prevent wash-outs in the salt section. This will also give a mud weight of over 10#/gal. which will provide for a hydrostatic pressure of about 4600# at 9000', which should be sufficient over balance to hold the pressure of the potential reservoir at this depth. No toxic gases are anticipated.

8. Production Casing:
   A. Hole size for production casing is 8 3/4".
   B. Approx. setting depth is 8300', which should be about 300' into the Mississippian formation.
   C. Casing specs are: 5½" O.D.; N-80 for lower 4000'- 23.00#; J-55 for upper 4500' - 15.50# or 17.00# which ever is available.
   D. Casing will be run and cemented with approx. 1000 sks in stages. The bottom of the casing, from 8300' to 7500', will be cemented first with about 200 sks; this will be allowed to set and then the rest of the cement will be used to cement the salt section. This will prevent undue hydrostatic pressures on the production zone. After the cement cures the casing will be set on slips in the casing head. Tubing, 2" O.D., will be run; plugs will be drilled out; tubing will be set in tubing head which is securely bolted to the casing head; and then the well will be perforated under a water cushion at the proper intervals.

   E. Pressures involved in the production casing should not be greater than 3500# in the Mississippian Formation at about 8000' and about 3900# in the Pennsylvanian-Paradox Formation at 6000' to 7500'.

SCHEMATIC DIAGRAM OF
CONTROL EQUIPMENT FOR THE
MEGADON ENERGY CORP.
TEN MILE UNIT #1-26 WELL
SW. SW. SEC. 26-24S-17E.
GRAND COUNTY, UTAH



Plat # 4

Identification No. 669-80

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Megadon Federal #1-26

Project Type Rank Wildcat Oil Test

Project Location 973' FWL 687' FSL, Sec. 26, T24S, R17E, Grand County, Utah

Date Project Submitted August 25, 1980

FIELD INSPECTION Date September 23, 1980

Field Inspection Participants

Glenn M. Doyle	U. S. Geological Survey
Elmer Duncan	Bureau of Land Management
Don Quigley	Operator
Eddie Bower	Dirt Contractor
Typing In & Out: 10/3	

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

October 1, 1980
Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

10/9/80
Date

District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency: Correspondence (date)	Federal/State Agency: Phone check (date)	Federal/State Agency: Meeting (date)	Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
1. Public health and safety					2			9-23-80	
2. Unique characteristics					1, 2				
3. Environmentally controversial							6		
4. Uncertain and unknown risks						4			
5. Establishes precedents					2				
6. Cumulatively significant					1,2				
7. National Register historic places	1 - 10/2/80								
8. Endangered/ threatened species	1 - 10/2/80								
9. Violate Federal, State, local, tribal law									3

ID 669-80

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

8/80

SEED MIXTURE

SPECIES		LBS/AC
Grasses		
Oryzopsis hymenoides	Indian rice grass	1
Hilaria jamesii	Curley grass	1
Forbs		
Sphaeralcia coccinia	Globemallow	1
Browse		
Atriplex canescens	Four wing salt bush	1
Ephedra nevadeusis	Mormon tea	1

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-15081

OPERATOR: Megadon Energy WELL NO. 1-26

LOCATION: ¼ SW ¼ SW ¼ sec. 26, T. 24S, R. 17E, SLM

Grand County, Utah

---

1. Stratigraphy: Navajo - surface

Kayenta	600	Wolfcamp	2580
Wingate	650	Hermosa	3080
Chinle	1050	Paradox Salt	4730
Shinarump	1350	Pinkerton Trail	7730
Moenkopi	1430	Mississippian	8030
Kaibab	1900	TD	8300
Coconino	2000		

2. Fresh Water:
Probable in Navajo + Wingate. Possible useble water in Coconino.

3. Leasable Minerals:
Potash in Paradox (~4700 - 7800)
(near Butte's operation)

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: salt in paradox

6. References and Remarks:

Signature: _____ Date: 9-8-80

** FILE NOTATIONS **

DATE: Sept 2, 1980

OPERATOR: Mcgarden Energy Corporation

WELL NO: Fed #1-26

Location: Sec. 26 T. 24S R. 17E County: Grand

File Prepared: ☐ Entered on N.I.D: ☑

Card Indexed: ☑ Completion Sheet: ☑

API Number 43-019-30688

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: _____

Thank you, file please

APPROVAL LETTER:

Bond Required: ☐

Order No. _____

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

#1

Lease Designation Fed - not in unit yet Plotted on Map ☑

Approval Letter Written ☑ Wtm

Hot Line ☑ P.I. ☑

** FILE NOTATIONS **

DATE: Sept 2, 1980

OPERATOR: Kingdom Energy Corporation

WELL NO: Fed #1-26

Location: Sec. 26 T. 24S R. 17E County: Grand

File Prepared: ☐ Entered on N.I.D: ☑

Card Indexed: ☑ Completion Sheet: ☑

API Number 43-019-30688

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. _____ O.K. Rule C-3 ☑

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

#1

Lease Designation Fed - not in unit yet Plotted on Map ☑

Approval Letter Written ☑ Wtm

Hot Line ☑ P.I. ☑

September 17, 1980

Megadon Energy Corporation
57 West South Temple, Suite 440
Salt Lake City, Utah 84101

Re: Well No. Federal #1-26
Sec. 26, T. 24S, R. 17E.,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30688.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder,
Petroleum Engineer

/btm
cc: USGS

United States Department of the Interior

IN REPLY REFER TO
3100
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

October 1, 1980

Memorandum

To: Oil & Gas Office, USGS Conservation Division,
P.O. Box 3768, Grand Jct., CO 81501
From: Area Manager, Grand

Subject: Megadon Energy Corporation
Fed. 1-26, Lease U-15081
SW/SW Section 26, T. 24 S., R. 17 E., SLB&M
Grand County, Utah

On September 16, 1980, a representative from this office met with Glen Doyle, USGS, and Don Quigley agent of Megadon Energy Corp. for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Megadon Energy Corporation.

C. Delano Backus

Enclosures (2)
1-Reclamation Procedures
2-Seed Mixture

OCT 02 REC'D

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 24 hours prior to beginning construction of access road and pad.

Ony topsoil that can be saved will be windrowed along the north end of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.

The trash cage will be on the location fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted "desert tan" or a similar color approved by the Grand Resource Area Manager.

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill exam -

The following stipulations will be added to the 13-point surface use and multi-point plan:

To I.F. the Spring Canyon Point road will be crowned with a 4 inch - 6 inch center crown over the full length of the road for water control. This road section starts just south of Dubinkey Well in Section 25, T. 24 S., R. 18 E. and goes westerly to the well in Section 26, T. 24 S., R. 17 E.

The last one mile of new access road (on the 10-mile unit) to the location will follow the flagged line, crossing the washes with low water crossings as determined at the pre-drill exam.

Topsoils will be windrowed along the north side of the new access road.

26-24S-17E

Memorandum

Glenn

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-15081 Well No. 1-26

1. The location appears potentially valuable for:

   [ ] strip mining*

   [x] underground mining** potash

   [ ] has no known potential.

2. The proposed area is

   [ ] under a Federal lease for _____ under the jurisdiction of this office.

   [x] not under a Federal lease under the jurisdiction of this office.

   [x] Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Allen J. Vance

25

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: TEN-MILE

2. NAME OF OPERATOR: MEGADON ENERGY CORPORATION

8. FARM OR LEASE NAME: FEDERAL

3. ADDRESS OF OPERATOR: STE. 440, 57 WEST SO. TEMPLE, SALT LAKE CITY, UTAH

9. WELL NO.: #1-26

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: SW. SW. SECTION 16, T 24S, R 17E, SLM. 973' FR. W-LINE AND 687' FR. S-LINE

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW.SW. SEC. 26-24S-17E. SLM.

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4637' GRD; 4652' K.B.

12. COUNTY OR PARISH: GRAND

13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) INFORMATION			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The location and road work for the subject well are currently underway. Since a large drilling rig will not be available for approximately 30 to 60 days, it is planned to commence drilling this well with a spud-rig prior to November 1, 1980, to set about 30 feet of 13 5/8" casing for a conductor pipe, and to drill the surface hole (12¼") to a depth of 1000' to 1200', if possible with air, for the surface casing. The larger drilling rig will be moved in as soon as it is available.

RECEIVED
OCT 28 1980
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE PRESIDENT DATE OCT. 25, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

5. LEASE DESIGNATION AND SERIAL NO.: U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: TENMILE

2. NAME OF OPERATOR: MEGADON ENERGY CORPORATION

8. FARM OR LEASE NAME: FEDERAL

3. ADDRESS OF OPERATOR: STE. 440, 57 W. SO. TEMPLE, SALT LAKE CITY, UTAH

9. WELL NO.: #1-26

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

SW. SW. SECTION 26, T 24S, R 17E, SLM
973' FR. W-LINE AND 687' FR. S-LINE

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW. SW. Sec. 26-24S-17E. SLM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4637' GRD; 4655' K.B.

12. COUNTY OR PARISH: GRAND

13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) INFORMATION			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The subject well was spudded-in on October 31, 1980, and drilled to a depth of 41 feet and 41 ft. of conductor pipe was set and cemented with 20 sks. of cement. A 12¼" surface hole has been drilled to a depth of 125 ft. and a small drilling rig will continue to drill as soon as BLM, Moab allows continuation of the operation. They stopped the operation due to some conflicts and misunderstandings on the access road. These conflicts have since been taken care of and operation should begin again after an inspection meeting with BLM on Tuesday, Dec. 16, 1980.

J-M

RECEIVED
DEC 15 1980
DIVISION OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED H. How Quigley TITLE PRESIDENT DATE DEC. 11, 1980

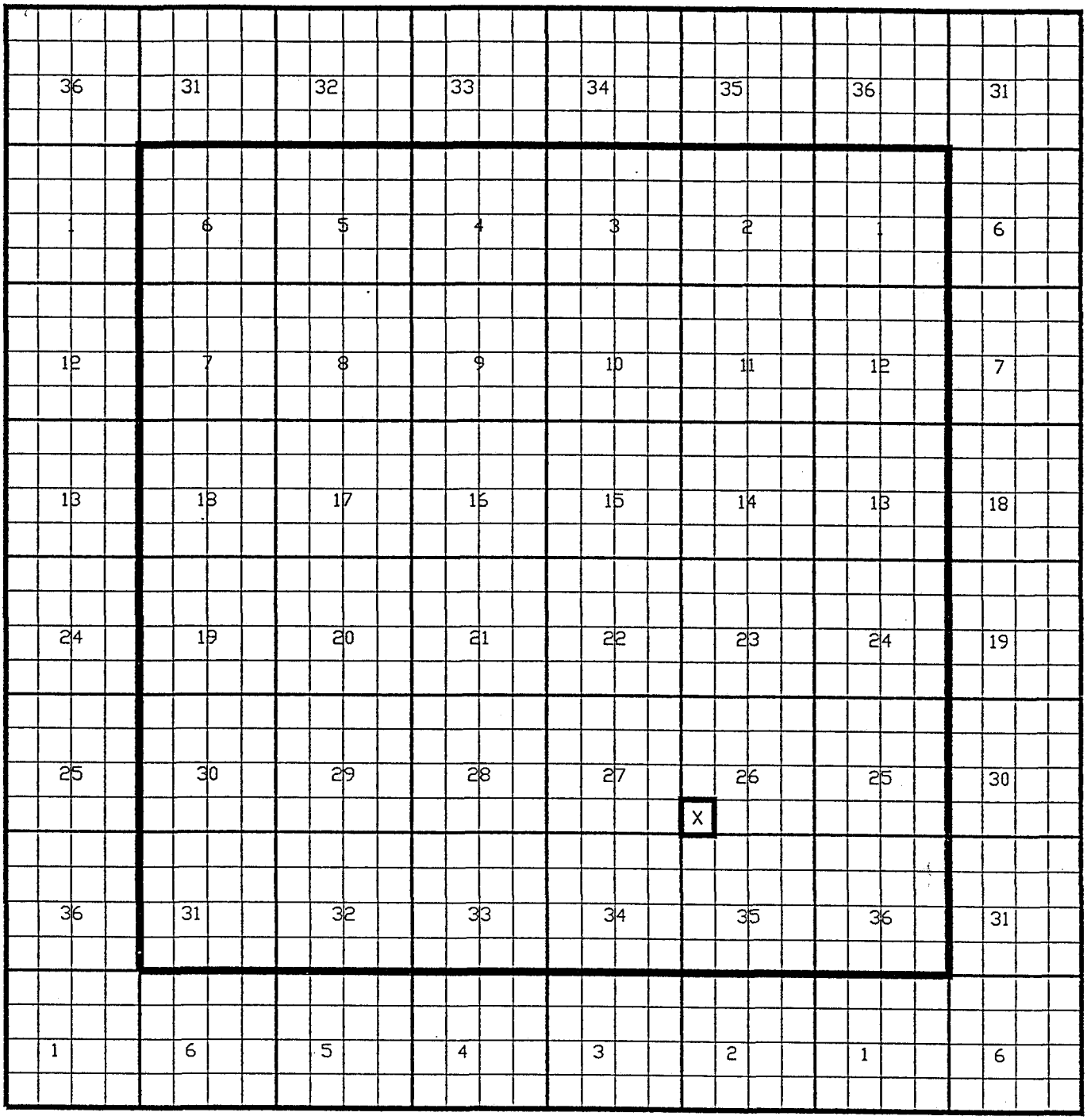
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

TEN MILE



T. 24S

R. 17E

TOWNSHIP 24 SOUTH, RANGE 17 EAST - GRAND COUNTY 051

SECTION 26: SW/4 SW/4

OCTOBER 1990
PARADOX POOL

- Reinstated Flat Canyon Field - to include all of Section 23-16S-6E, Emery County, East Mountain Unit 32-23 Well, Ferron Sandstone. 43-015-31031 FRSD

- Extended Duchesne Field - to include SE SE, Section 3-4S-4W, Duchesne County, Ute Tribal 1-3D Well, Green River Pool. 43-013-31040 GRRV

- New Field - Unnamed 24-4S-5W to include NW NW, Section 24-4S-5W, Duchesne County, CC Ute 1-24D Well, Green River Pool. 43-013-31034 GRRV

- New Field - Ten Mile to include SW SW, Section 26-24S-17E, Grand County, Federal #1-26, Paradox Pool. 43-019-30688 PRDX POW

- New Field - Tower to include NE SE, Section 1-40S-25E, San Juan County, Tower #1I-2, Desert Creek Pool. 43-037-31507 ISMY

- New Field - Cajon Mesa to include NW NW, Section 8-40S-25E, San Juan County, Cajon Mesa #8-D-1, Desert Creek Pool. 43-037-31497 DSCR

- New Field - Monument to include SE SW, Section 8-40S-25E, San Juan County, Monument #8-N-2, Desert Creek Pool. 43-037 31509 DSCR

- New Field - Runway to include SW NE, Section 10-40S-25E, San Juan County, Runway 10G #1, Desert Creek Pool. 43-037-31515 DSCR

- Extended Rock House Field - to include SE SE, Section 18-11S-23E, Uintah County, Marble Mansion Unit #1, Wasatch Pool. 43-047-31865 WSTC

Also, Sandy Hunt, made a recommendation, based on research completed on all fields in Utah, that certain revisions to the field categories be made.

The committee approved the new field categories and made a recommendation that the categories be updated and kept current on a yearly basis. The following field categories should be recognized:

1. Active Field: Area that includes currently producing wells.

2. Inactive Field: Area that includes shut in well(s) that have produced in the past and may be capable of producing in the future.

3. Terminated Field: Area that includes wells that have never produced and areas that have been included in other fields.

After discussion of all agenda items, Mr. Firth indicated that the next meeting would be scheduled for some time in April 1991. There being no other business, the meeting adjourned at approximately 3:30 p.m.

Suite 440 / 57 West South Temple
Salt Lake City, Utah 84101
Bus. Tel: (801) 359-3575
Res. Tel: (801) 295-1870

President: W. Don Quigley
Vice President: Margaret Quigley
Secretary: Sherrill L. Bateman

P

DRILLING AND COMPLETION HISTORIES
ON
TEN MILE #1-26 WELL
SW. SW. SECTION 26-24S-17E.
GRAND COUNTY, UTAH

OPERATOR: Megadon Energy Corp.
57 West South Temple, Salt Lake City, Utah 84101

CONTRACTOR: Colorado Well Service (Rig 88)
Rangely, Colorado

LOCATION: SW. SW. Section 26, T 24S, R 17E, SLM, Grand County, Utah
(973' Fr. W-line and 687' Fr. S-line)

ELEVATIONS: 4637' Grd; 4655' K.B.

SPUD DATE: October 31, 1980

FINISHED DRLG: April 2, 1981

COMPLETION DATE: August 28, 1981

TOTAL DEPTH: 8615'

SURFACE CASING: 1250' of 9 5/8", 36.00#, K-55, set at 1238' K.B. and cemented w/450 sks cement in 1st stage and 1215 sks in second stage.

PRODUCTION CASING: 8620' of 5½", 17#, P-110 casing landed at 8600' K.B. and cemented w/450 sks cement in 1st stage and 1215 sks in second stage.

PLUGGED BACK DEPTH: 6310'

PRODUCTION & PERFORATED INTERVALS: 5940-46'; 5934-38'; 5926-31'; 5892-98'; 5355-66'; 5340-48'; 5204-24'; 4390-98'; 4378-88'; 4342-50'

PRODUCING FORMATION: Hermosa - Paradox

INITIAL PRODUCTION RATE: 20-40 Bbl oil/day

DRILLING HISTORY
MEGADON ENERGY CORPORATION
TEN MILE #1-26 WELL
SW. SW. SEC. 26-24S-17E.
GRAND COUNTY, UTAH

FEB. 1-4; Moving rig (Colorado Well Service Rig 88) from Lion Mesa #3-36 well (62 miles by road S.W. of Moab) to Ten Mile #1-26 location (35 miles N.W. of Moab) and rigging up.

2-5; Finished rigging up. Drilled mouse hole and rat hole with power swivel and using air for circulation. Laid down power swivel.

2-6: Drilled 42' to 239' (197'). Picked up kelly. Laid blewie line. Began drilling ahead with 12¼" bit and using air for circulation. Survey at 96' was ½°; survey at 189' was 3/4°; survey at 220' was 1°. Encountered small amount of water at 145' and began drilling with air mist (water, soap, and air).

2-7: Drilled 239' to 434' (195'). Drilling slow with 8000# on bit to keep hole straight. Survey at 251' was ½°; survey at 312' was ½°; survey at 434' was ¼°.

2-8: Drilled 434' to 766' (332'). Survey at 496' was ¼°; at 558' was ¼°; at 651' was 0°. Made rd-trip at 766' for new bit. Bit #1 (Reed Y12J) made 724' (42' to 766') in 56 hrs. Drilled at avg. rate of 13 feet per hour with 5000# to 10,000# weight.

2-9: Drilled 766' to 989' (223'). Drilling in sandstone at rate of 15 ft/hr. Survey at 777' was 3/4°; at 841' was 3/4°; at 903' was ½°. Estimate top of Chinle at 850'.

2-10: Drilled 989' to 1194' (205'). Drilling slow in Chinle shale, at rate of 15 ft/hr. Survey at 996' was ½°; at 1089' was 3/4°.

2-11: Drilled 1194' to 1252' (58'). Est. top of Shinarump at 1140' and top of Moenkopi at 1190'. Drilled about 60 feet below the top and prepared to run surface casing. Mixed mud and circulated hole before running casing. Took off 12" rotating head and laid it down. Ran 1238' of 9 5/8", 36-40# casing with 300 sks cement. Didn't get return, so ordered out 100 more sks cement and cemented from surface to fill back side with cement (75 sks).

2-12 Finished cementing casing. Waiting on cement to set (12 hrs). Began nippling up to drill ahead.

2-13: Finished nippling up. Installed 10" rotating head and blewie line. Tested BOP's; and hydril to 2000#. Had leaks and had to tighten all flange bolts to stop leaks. Drilled out cement, float valve and shoe. Tested cement and casing to 1000#. No leaks. Drilled 8 3/4" hole from 1252' to 1775' (523'). Survey at 1515' was ¼°. Drilling with 16,000# at rate of 25 ft/hr. Dusting good.

2-14: Drilled 1775' to 1950' (175'). Drilling ahead with air to 1837' and encountered water so converted to air-mist using air-soap-water. Had to make rd-trip at 1780' for plugged bit. Found a rubber ring gasket and large hunk of metal in float valve. Est. top of Kaibab at 1770' and top of Coconino at 1820'. Water amount increasing rapidly.

2-15: Drilled 1950' to 2080' (130'). Water flow estimated at 500 bbl per hr. (fresh water). At 2080', decided to convert to mud. Began mixing mud and LCM to pump in hole and stop water flow. Pulled 14 stds and displaced water at top of hole with mud. Went back to bottom and circulated hole. Came out of hole and removed rotating head and installed drilling nipple and flow line to tanks.

2-16: Drilled 2080' to 2157' (77'). Drilling ahead with mud at rate of 10 ft/hr. in red siltstone and shale. Est top of Organ Rock formation at 2150'.

2-17: Drilled 2157' to 2377' (220'). Drilling at rate of 10 ft/hr with mud. Survey at 2188' was 1°. Lost some mud at 2253' and added LCM and got full returns.

2-18: Drilled 2377' to 2520' (143'). Made rd-trip at 2492' for new bit. Bit #3 (HTC-J22) made 1240' (1252' to 2492') in 72 hrs. Drilled at an avg. rate of 17½ ft/hr.

2-19: Drilled 2520' to 2770' (250'). Drilling at rate of 12 ft/hr. with mud in 23½ hrs of drilling.

2-20: Drilled 2770' to 2980' (210'). Survey at 2684' was 1½°. Drilling at 7½ ft/hr with 20,000# on bit and 60 RPM. Mud wt. is 8.9, Visc. is 33, water loss: 44. Pump pressure is 750#. Total estimated cost to date is $317,268.

2-25-81

Feb. 21: Drilled 3082' to 3255' (173'). Drilling at rate of 7½ ft. per hr. in cherty limestone and hard tight sandstone. Est. top of Hermosa at 2700'.

Feb. 22: Drilled 3255 to 3447' (192'). Survey at 3306' was 1°. Drilling with Bit #4 with 20,000# weight and 60 RPM. Mud wt is 8.9, Visc. is 35. Water loss is 27 cc. Drilling at 8 ft/hr. in limestone dolomite, and sand.

Feb. 23: Drilled 3447' to 3528' (81'). Made rd-trip at 3471' for new bit. Bit #4 (Smith F3) made 1073' (2398' to 3471') in 132½ hrs. Drilled at an avg. rate of 8 ft/hr. Had bridge at 3406' when going back in hole. Washed back to bottom.

Feb. 24: Drilled 3528' to 3669' (141'). Survey at 3618' was 1¼°. Drilling with Bit #5 (Reed-FP53) at rate of 7 ft/hr. in limestone, dolomite and hard sandstone.

Feb. 25: Drilled 3669' to 3828' (159'). Drilling at rate of 7 ft/hr. No change in samples.

Feb. 26: Drilled 3828' to 3971' (143'). Drilling in hard quartzitic sand, cherty limestone and dolomite at rate of 6 ft/hr. Mud wt. is 8.7, Visc. is 35, water loss is 17.

Feb. 27: Drilled 3971' to 4100' (129'). Drilling slow in hard quartzitic sandstone and cherty limestone of Hermosa formation. Drilling at rate of 5½ ft/hr.

Feb. 28: Drilled 4100' to 4267' (167'). Survey at 4212' was 1°. Drilling at rate of 7 ft/hr. in sandstone and limestone. Est. cost to date is $398,400.

Mar. 1: Drilled 4267' to 4373' (106'). Drilling slow at rate of about 5 ft/hr. in limestone, dolomite, and quartzitic sand. Wt. on bit 25,000#, 60 RPM, Mud wt. 8.8, Visc. is 34, and W.L. is 15. Encountered a good show in chalky limestone at 4345' to 4360' and decided to run a drill-stem-test. Called Tester.

Mar. 2: Drilled 4373' to 4380' (7'). Pulled 10 stds and went back to bottom. Had no tight spots; circulated for 45 min. and came out of hole to run DST #1. Picked up test tools and ran DST #1 as follows:

Interval: 4340-4380'
Init. Open: 15 min.
Init. Shut-in: 1 hr
Final Flow Period: 1 hr.
Final Shut-in Period: 1½ hr.
Blow: Weak blow initial; Strong blow on final flow-decreasing some
Rec: 750 feet of gas in drill pipe; 2 feet of free oil, and 70' of oil cut mud (est. 7% oil)
Sample Chamber: 36# pressure; .01 cu. ft. gas; 160 cc oil; 2140 cc of oil cut mud. Oil is 42 gravity at 56°.
Pressures:

IFP:	22#-28#;	FFP:	40#-45#
ISIP:	188# (Bldg);	FSIP:	308# (Bldg)
IHP:	2010#;	FHP:	1999#
BHT:	105°		

Came out of hole with test tool. Loaded out tool. Picked up new kelly.

Mar. 3: Drilled 4380' to 4497' (117'). Went back in hole with Bit #6. Bit #5 (Reed-FP53) made 909 feet (3471' to 4380') in 152½ hrs. Drilled at an avg. rate of about 6 ft/hr. Begand drilling ahead at 8 AM. Reamed 50 ft. back to bottom. Drlg. in limestone and dolomite.

Mar. 4: Drilled 4497' to 4646' (149'). Began changing fresh water mud to salt water base mud. Raise Visc. to 50 with fresh water bentonite and then began adding salt water slowly. Drilling in limestone, dolomite, and quartzitic sand at 6 to 10 ft/hr.

Mar. 5: Drilled 4646' to 4818' (172'). Encountered top of salt section at 4778'. Drilled salt at 20 to 30 ft/hr.

Mar. 6: Drilled 4818' to 5098' (280'). Survey at 4828' was 3/4°. Drilled salt to 5020' and then encountered first clastic zone of anhydrite; gummy black shale (gilsonitic) and black petroliferous shale. Drilling rate decreased to

7 ft/hr. thru this section.

Mar. 7: Drilled 5098' to 5317' (219'). Drilling in salt and clastics at rate of 6 to 20 ft per hr. Second salt bed 5120' to 5190'. Estimated total cost to date is $460,150.

Mar. 8: Drilled 5317' to 5503' (186'). Drilling in salt and clastics (anhydrite, dolomite, and black shale). Salt bed at 5390' to 5495'. Drilling with 10,000# wt. on bit and 75 RPM. to straighten hole. Survey at 5446' was 9°.

Mar. 9: Drilled 5503' to 5624' (121'). Ran a series of surveys at 5506' to check for sharp changes. Surveys are as follows:

5506' was 9°; 5446' was 9°; 5326' was 9¼°;
5146' was 7°; 5006' was 2¼°; 4786' was 3/4°

Had some shows in clastic zone at 5500' to 5550'. Had scattered fluorescence, slight oil stain, odor, and cut in granular anhydrite and sucrosic dolomite. No visible porosity.

Mar. 10: Drilled 5624' to 5790' (166'). Had clastics from 5495' to 5700'; and then salt to 5765'. Survey at 5632' was 8¼°.

Mar. 11: Drilled 5790' to 5949' (159'). Survey at 5752' was 7 3/4°, at 5784' was 7 3/4°. Drilled clastics from 5765' to 5800'; and then salt from 5800' to 5900'; then clastics to 5985'. Had some fluorescences (scattered to good) plus slight stain and cut in anhydrite and dolomite at 5910' to 5960'.

Mar. 12: Drilled 5949' to 6122' (173'). Survey at 6031' was 8°. Had salt at 5985' to 6100'. No shows. Total estimated cost to date is $518,000.

Mar. 13: Drilled 6122' to 6155' (33'). Made rd-trip at 6143' for new bit and to put on stabilizer. Survey at 6123' was 7 3/4°. Bit #6 (Reed FP52) made 1763' (4380' to 6143') in 223½ hrs. Drilled at an avg. rate of 8 ft/hr. Had hole in pipe at 6100' and made short trip to find hole.

Hole was in second joint from the top.

Mar. 14: Drilled 6155' to 6345' (190'). Had about 12 ft. more of clastics and then drilled salt from 6160' to 6282'. Survey at 6223' was 6°. Survey at 6287' was 5°.

Mar. 15: Drilled 6345' to 6500' (155'). Swivel started leaking at 0100 hrs. Took 9 hrs (0100-1000 hrs) to pack swivel so it wouldn't leak (9 hrs down time). Survey at 6382' was 3 3/4°; at 6476' was 3½°. Drilled salt from 6380' to 6500'. Drilling at avg rate of 15 ft/hr. Mud wt: 10.4; Visc: 36; water loss: 22.

Mar. 16: Drilled 6500' to 6799' (299'). Drilled in salt to 6790'. Survey at 6569' was 3 3/4°; at 6662' was 1¼°. Drilling with 15M to 20M# wt. on bit and 65 RPM.

Mar. 17: Drilled 6799' to 7080' (281'). Drilled anhydrite from 6790' to 6820' and then went back into salt. Drilled salt to 6930' and then black shale and anhydrite to 6955' and then salt to 7080'. Survey at 6755' was 2°; at 6886' was 2¼°; at 7010' was 2°.

Mar. 18: Drilled 7080' to 7329' (249'). Drilled salt to 7240'; then black petroliferous shale to 7262'; then more salt. Survey at 7198' was 4½°. Backed weight off to 10M to 12M.

Mar. 19: Drilled 7329' to 7578' (249'). Drilled salt all day with 10M wt. on bit. Survey at 7288' was 4¼°; at 7412' was 4½°.

Mar. 20: Drilled 7578' to 7756' (178'). Drilled salt to 7590' and then drilled clastis (anhydrite and black shale) to 7660', then salt. Had some black petro shale at 7710-7725'. Survey at 7537' was 4½°. Survey at 7661' was 3°. The interval at 7590' to 7660' should have been the Cane Creek section, but it was thin, tight, and mixed with salt.

Mar. 21: Drilled 7756' to 7907' (151'). Had a survey at 7782' that was 6°, so reduced weight on bit from 20M# back to 10M#. Drilled salt to 7850' and then went into shales, dolomite, and limestone with some anhydrite.

Mar. 22: Drilled 7907' to 8064' (157'). Survey at 7873' was 5¼°; survey at 8000' was 3 3/4°. Drilling in dolomite, anhydrite and salt. Cane Creek section at 7860' to 7950' had very little show. One section at the base (10' thick) had some sdy-sucrosic dolomite with slight stain, scattered fluorescence and gas odor.

Mar. 23: Drilled 8064' to 8157' (93'). Salt stringers, dolomite, and anhydrite. Zone from 8100' to 8157' drilled real slow, 12 to 18 min/ft. Est. top of Pinkerton Trail at 8100'.

Mar. 24: Drilled 8157' to 8238' (81'). Survey at 8185' was 2½°. Drilling real slow in dolomite, and black, green, and red shales.

Mar. 25: Drilled 8238' to 8350' (112'). Est. top of Miss-Leadville at 8250'. Had drilling breaks at 8290' to 8310' and at 8315' to 8325'. Both breaks had sucrosic-fractured dolomite with lots of residual black oil, scattered fluorescence, but no cut. May be dead oil residue, but decided to test to be sure. Circulated 3 hrs and started out of hole to run DST #2. Had some tight spots so had to ream and circulate these spots.

Mar. 26: Made short trip to finish cleaning and circulating hole. Came out of hole and ran DST #2 as follows: (Lynes Testers)

Interval: 8280' to 8350' (70')
Init Open: ¼ hr. Final Flow: 1 hr.
Init Shut-in: 1 hr. Final Shut-in: 1½ hr.
Blow: Very weak blow - dead in 10 min. No blow thereafter.
Rec: Nothing
Results: Misrun - Tool didn't open. Laid down tool.

Mar. 27: Cut-off drilling line (3 hrs). Went in hole with bit to clean out hole for another test. Had tight spots from 6950' to T.D. Took 11½ hrs to ream and circulate hole for DST #3. Came out of hole to pick up test tool.

Mar. 28: Picked up test tool (Johnston) and went in hole. Opened tool at 0925 AM and ran DST #3 as follows:

Interval: 8275' to 8350' (75')
Init Flow: ¼ hr. Final Flow: 1 3/4 hr.
Init Shut-in: 1 hr. Final Shut-in: 2 hr.
Blow: Strong blow immediate (8# in 15 min). Gas to surface immediate on final flow (gas to surface in 25 minutes). Flow increased thruout test-reached 110# on 1/8" choke in 1 3/4 hrs. (40 MCFGPD).

Rec: 700' of gas cut drilling mud. No water.
Sample Chamber: 375#; 1.53 cu. ft. of gas, and 1100 cc. of gas cut mud.
Pressures:

IFP:	91-166#	FFP:	144-453#
ISIP:	3293#	FSIP:	3318#
IHP:	4602#	FHP:	4577#
BHT:	130°		

Mar. 29: Drilled 8350' to 8426' (76'). Went back in hole with Bit #7 after DST #3. Had tight hole at 6296' and reamed and circulated hole to 6610' and then had free hole below to T.D. Drilling in Xln dolomite with slight dull fluore escence.

Mar. 30: Drilled 8426' to 8525' (99'). Had drilling breaks (12 min/ft down to 6 min/ft) at 8430' to 8470' and at 8500' to 8525' w/minute fractures and fugs, slight oil stain and dull fluorescence. Decided to run drill-stem-test of interval 8400' to 8525'. Conditioned mud and circulated for 7 hrs and came out of hole to run DST #4.

Mar. 31: Finished coming out of hole. Waited on test tools for 2¼ hrs. Picked up test tools and went in hole. Reached bottom and opened tool at 10:30 AM. Ran DST #4 as follows:

Interval: 8400' to 8525'
Init Flow: ¼ hr — Final Flow: 3½ hr
Init Shut-in: 1 hr — Final Shut-in: 0
Blow: Weak blow initally (2" in H_2O). Weak blow thru-out final flow period (1½" in H_2O).
Rec: 975' of drilling mud
Sample Chamber: 125#; 2300 cc. of drilling mud (No gas).
Pressures:

IFP:	54-168#	FFP:	168#-576#
ISIP:	3542#	FSIP:	Didn't shut-in
IHP:	4727#	FHP:	4737#
BHT:	132°		

Partial misrun, since tool didn't close on final shut-in period.

Came out of hole with tools and loaded out same. Started back in hole with Bit #7.

Apr. 1: Drilled 8525' to 8600' (75'). Finished going in hole with bit. Began drilling ahead at 4:45 AM. Had drilling break at 8560' to 8600' in vuggy chalky limestone with oil stain and solid blue fluorescence, and slight oil cut. Decided to log hole. Conditioned mud and circulated for 2 hrs. Came out of hole for logging.

Apr. 2: Drilled 8600' to 8615' (15'). Rigged up Schlumberger to run logs. Logging tool wouldn't go below 8446'. Tried to log hole from this depth to surface but tools wouldn't work so came out with logging tools and went back in with bit. Reamed hole from 8286' to 8600'; and drilled ahead to 8615' to provide rat hole to log lower porosity zone. Conditioned mud and circulated for 1 3/4 hrs. Made short trip (20 stds) and circulated again for 2 hrs.

Apr. 3: Came out of hole for logs. Rigged up Schlumberger and ran Dual Laterolog, and then Gamma-Density-CNL log. Laid down logging tools and ran data thru computer for Cyberlock log. Decided to run DST on bottom of hole. Waited for 2 hours for testers (Johnston). Picked up test tools and went to bottom. On bottom at 9:30 PM.

Apr. 4: Ran DST #5 as follows:

Init Flow: ¼ hr. Final Flow: 1¼ hr.
Init Shut-in: 1 hr. Final Shut-in: 1 3/4 hr.
Blow: Strong blow immediate (10# in ¼ hr). Strong blow on final flow - building to 7# and then gradually decreasing to zero in 1 hr. No gas to surface.
Rec: 7325' of black saline sulphur water. Resistivity is .075 ohms at 78°.
Sample Chamber: 0 pressure, no gas, 2350 cc of blk saline sulphur water, 85,000 ppm chlorides (.075 ohms at 80°F).
Pressures:

IFP:	145-2455#	FFP:	2488-3671#
ISIP:	3696#	FSIP:	3696#
IHP:	4941#	FHP:	4841#
BHT:	138°		

Reversed fluid out of drill pipe and came out of hole. Laid down test tools and waited on orders. Decided to run straddle test on bottom of hole after analysis of logs. Called testers and waited 4 hrs for testers. Received word from N P Energy (Putnam Haddock) that they didn't want to test and to run casing - was told other investors had been consulted and agreed - so called off DST and called for casing. Total estimated cost to date: $755,675.

Apr. 5: Waited on casing.

Apr. 6: Waited on casing.

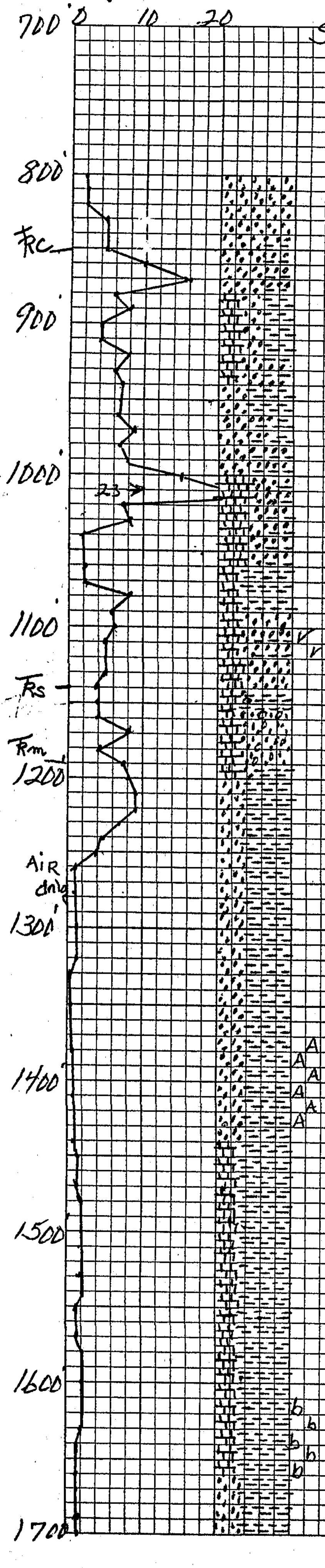
Apr. 7: Waited on casing untill 2 PM, and then started in hole with drill string to circulate and clean hole in preparation to run casing. Circulated hole for 4 hrs.

Apr. 8: Circulated hole and made short trip for 4¼ hrs and then started out of hole laying down drill pipe. Finished laying down drill pipe and collars at noon. Rigged up casing tools and began running casing. Casing stuck at 3145' and had to pull out of hole and take off cement baskets that were turned inside out. Ran casing back in' hole without the baskets.

Apr. 9: Finished running the casing. Ran 237 jts of 5½", 17#, J-55, P-110 casing. Landed casing at 8600' K.B. Cemented casing w/1665 sks of super strength cement in 2 stages. D.V. tool is set at 6500' and float collar at 8565' (35' from bottom of casing). First stage of 450 sks down at 9 AM., Second stage of 1215 sks down at 1815 hrs. Waiting on cement to set.

Apr. 10: Waiting on cement. Set slips and cut off casing at 6 AM. Began rigging down.

Ten Mile #1-26
SW SW Sec. 26-24S-17E
Elev: 4637' grd; 4655' K.B.



Rd sh. to pk. rd'd. m.g. ss

Rd sh. to pk rd'd m.g. ss. w/ some rd slst.

Rd mica. slst. & sh. - sl. calc.

+ some grn-gry sh.

As above + rd f.g. rd'd to sub rd'd ss.

Rd slst & sh.

Rd to cln. rd'd ss. + grn, gry, rd, & brn sh. & slst.

Cln. to lt. brn. rd'd ss. w/ some gry sh.

+ gry sdy lms & calc. sh.

Lt. gry vfg calc. ss w/ gry to grn sh.

Gry-grn calc. sh.

cg. cln. ang. calc. ss.

+ gry grn calc. sh. & pyr.

Lt. gry calc. fg silty carb ss

Lt. gry-grn calc. sh.

Some rd brn congl. ss.

Rd calc. sh. & slst

Rd slst & sh

Rd mica slst & sh.

Some gry-grn sh.

Rd mica slst & sh.

+ some lt. gry anhy.

+ lt gry sh.

+ lt. gry-grn sh.

Lt. gry-grn mica, sl. calc. sh.

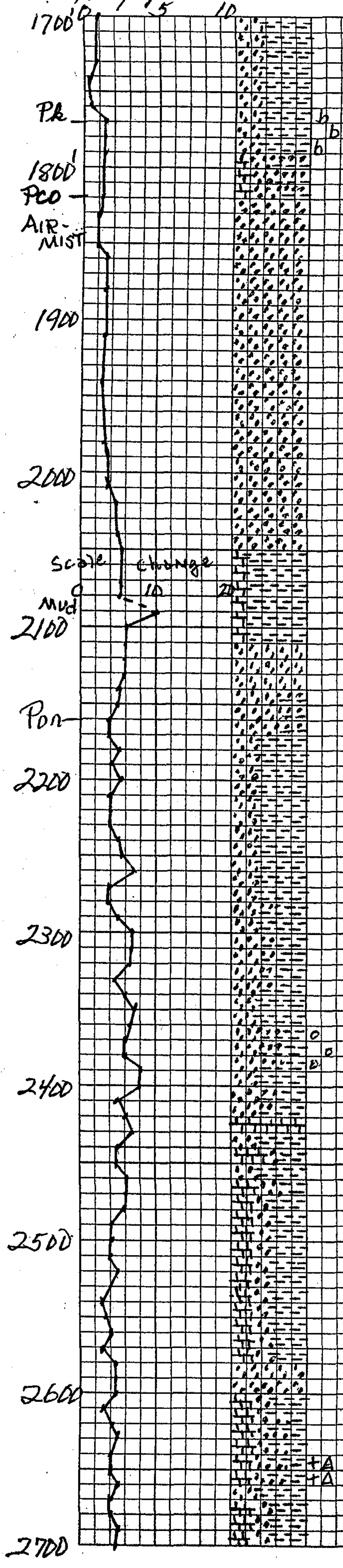
+ gry sdy bent

Rd mica slst & sh

+ some gry-grn sh

Ten Mile # 1-26 ...

1700' - 2700'



Rd slst + sh + lt gry-grn calc. sh.

Rd bent mica slst + sh - pk

Lt gry vfg. sl. calc ss. + lt gry sh.

C.g. rd'd. wh to cln. ss with lots of H_2O

Gry-grn sl calc. sh. (Prob cavings)

Converted to mud.

Cln. to lt brn rd'd c.g. ss.

Lt brn vfg to mg. ss + some rd slst.

Rd. slst + sh.

Rd (dk) mica slst + sh.

Lots of iron in cuttings plus lt pk mot. slst.

Brick rd mica slst + sh + gry mica qtztc ss.

Dk. rd. mica slst.

+ gry + grn mica sdy slst.

+ c.g. glassy ang qtzte ss (gry).

Dk rd mica slst + grn gry slst.

Dk rd mica slst + grn-gry congl. + hd. glassy mica ss.

+ lt gry mica qtztc ss.

+ gry congl - glassy ang.

+ gry qtztc ss

Lt. brn xln lms.

Dk. rd. mica slst + gry mica slst.

+ gry sdy xln lms w/qtz casts + incl.

Dk. rd mica slst + lt brn sdy lms.

Lt. rd vfg. ss.

Rd. + purp. mica calc. slst.

+ vfg. calc. ss.

+ qtz + ch shards.

Rd, purp, gry mica slst.

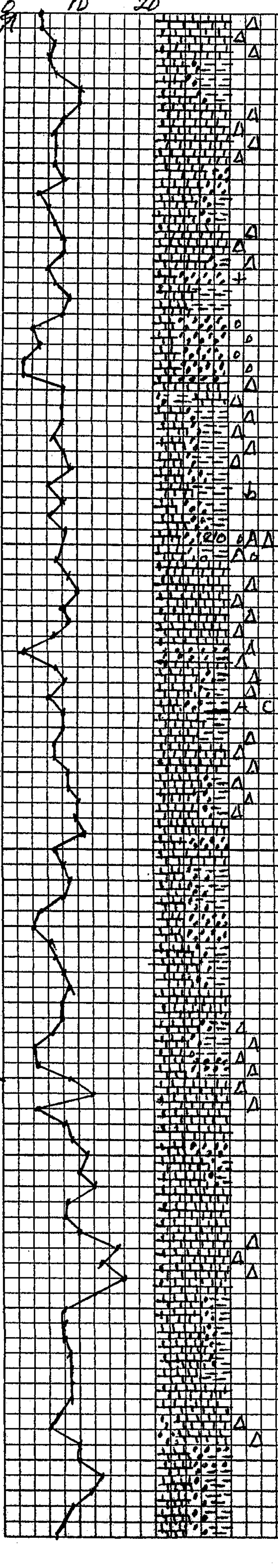
Rd. mica slst + gry sdy lms

Drlg. time Min/ft

Ten Mile #1-26

2700 - 3700

0 10 20



2700 PWo

DK brn chty lms + chalky lms

Lt. gry calc sdy slst.

Grn calc. sdy slst. + lt. brn lms.

DK. gry & brn chty lms.

+ chalky lms.

2800

As Above + lt. gry calc vfg - glassy ss.

Gry chlky to XLN lms + gry mica slst.

Gry & dk brn chty lms.

+ some rd. slst.

Wh. to pk. qtz. ss & qtzte.

DK. gry lms & calc. sh.

2900

Rddsh mg calc. ss. ang. to congl.

+ dk brn chty lms

Rd. slst.; dk. brn & gry chty lms & gry calc sh.

Rd, tan & gry calc. slst.; brn & gry lms.

3000

Rd mica calc slst - dk brn & gry lms

Lt gry mica calc bent. sh - brn & gry lms

Rd mica calc slst + dk gry sh.

+ brn lms.

Rd. calc. congl. ss.; brn lms & wh Anhy + ch. & qtz pebs

DK. brn calc slst; brn chty lms & congl

Gry & brn lms + ch.

3100

+ Wh. to grn mg. ang. ss.

DK. gry & brn chty lms + dk gry mica slst + gry mica slst.

Some wh. Anhy fg. ang. ss.; blk. sh. & ...

DK. gry lms & calc grn calc sh.

DK gry & brn chty lms. some chalky lms.

3200

As Above + rd & blk mica slst.

Gry XLN to chalky lms

Wh. mg to fg. calc ang. ss.

Gry chalky to XLN lms.

DK. gry & brn mica calc. slst & wh calc. fg. ang ss w/glauc.

As Above + brn lms.

3300

Wh. fg. chalky-calc. ang ss w/glauc.

Gry lms & mica calc. slst.

DK. gry chalky to XLN lms.

Ph

+ rd. & gry mica slst

DK. rd. & gry calc. mica slst.; gry & brn lms.

As Above + wh. glauc-chalky fg. ang. ss.

3400

DK. gry & brn chty lms.

Lt. gry chalky lms + brn & gry XLN lms.

Wh. chalky fg. ang. ss

DK. gry & brn lms. + some gry calc. slst.

DK. gry & brn lms. + chalky lms.

3500

+ ch.

DK brn & gry chty lms

Blk lms & dol. + dk. gry mica calc. slst.

3600

+ blk petro sh - w/gas odor - cut; No fluor

w/gas odor - good cut

Gry & brn lms. w/ sl. st. & faint scat. fluor - sl. cut

Gry lms. & brn dol.

Lt brn sdy to chty lms.

DK. gry vfg calc. ss, slst, & lms.

Gry calc. slst. & lms.

Lt gry to dk gry calc. slst & lms.

3700

46 0862

June 3, 1981

Megadon Energy Corporation
Suite# 440, 57 West So. Temple
Salt Lake City, Utah 84101

Re: Well No. Federal #1-26
Sec. 26,T.24S. R.17E.
Grand County, Utah
(Janruary 1981- May 1981)

Re: ~~Well No.~~ Lion Mesa #3-36
Sec. 36, T.27S. R.20E.
San Juan County, Utah
(Janurary 1981-May1981)

Re: Well No. Federal #4-26
Sec. 26, T.27S. R.21E.
San Juan County, Utah
(March 1981-May 1981)

Gentlemen:

Our records indicate that you have not filed the Monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331,) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for you convenienced

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

SANDY BATES
CLERK-TYPIST

925

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME
TENMILE

2. NAME OF OPERATOR
MEGADON ENERGY CORPORATION

8. FARM OR LEASE NAME
FEDERAL

3. ADDRESS OF OPERATOR
57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

9. WELL NO.
#1-26

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SW. SW. SECTION 26-24S-17E, SLM.
973' FR. W-LINE AND 687' FR. S-LINE

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW. SW. SEC. 26-24S-17E. SLM.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4637' GRD; 4655' K.B.

12. COUNTY OR PARISH
GRAND

13. STATE
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) INFORMATION			[XX]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well commenced drilling on Feb. 5, 1981 by CRC Colorado Rig #88 and drilled to 1238' and prepared to run surface casing. Ran 1238' of 9 5/8", 36-40# casing and cemented with 375 sks of cement. The well was then drilled to a total depth of 8615', at which time a Dual Laterolog and Gamma-Density-CNL were run on April 4, 1981. Production casing, 237 jts. of 5½", 17#, J-55 and P-110 casing and landed at 8600' K.B. Cemented casing in 2 stages: 1st stage - 450 sks; 2nd stage - 1215 sks; total of 1665 sks super strength cement. DV tool is set at 6500' and float collar at 8565' (35' from bottom of casing). A completion rig will be moved in as soon as possible.

CRC Colorado Rig #8 moved in and rigged up on April 28, 1981 for completion work which is still in progress. As soon as the well has been completed, a completion report will be submitted.

18. I hereby certify that the foregoing is true and correct

SIGNED Herbert K. Dallman TITLE SECRETARY/TREASURER DATE JUNE 22, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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Secretary: **Sherrill L. Bateman**

MEGADON ENERGY CORPORATION

October 13, 1981

COMPLETION HISTORY ON TENMILE #1-26 WELL

Apr. 27: Road Colorado Well Service Rig #8 to location.

Apr. 28: Rigged up rig. Cleaned out cellar. Picked up 2 3/8" hydril tubing and went in hole to 5500'.

Apr. 29: Picked up more tubing and tagged DV tool at 6511'. Came out of hole with tubing and installed pack-off around 5½" casing. Weld on casing head. Nippled up well head, valves, etc. and installed BOP. Pressure tested BOP's and well head. Picked up bit (4½") casing scrapper and started in hole.

Apr. 30: Crews on location at 0730 hrs, and making up tools. New XO sub will not shoulder up properly. Put about 2500 ft. lbs of torque on it and decided to go ahead and try and drill DV tool. Will have new sub out in morning. GIH with 4½" bit, casing scraper and tubing. Tag up with 10' out on jt #208. Rig up power swivel. Drilled out green cement to 6628.5' where we started drilling on DV tool. Drilled thru DV tool and reamed thru it several times with the casing scrapper. Hung back power swivel and GIH with tubing. Tubing took weight with 15' out on joint #249 or at 7910' K.B. Tried working through it with power tongs without success. Picking up power swivel. Attempted to work past 7910' and plugged bit. Bit bit unplugged. Plugged bit again at 7910'. Unplugged bit and circulating hole. Finished circulating at 1830 hrs and shut well in for night.

May 1: Crews on location at 0800 hrs. Cleaning out cement stringers. Plugged bit and blew up rubber in circulating head. Unplugged bit and circulated out cement cuttings, pipe scale, rubber and heavy mud. Circulated hole clean and pulled circulating head to repair rubber at 0930 hrs. Repaired circulating head (1½ hrs). Started rotating tubing down and plugged bit. Bit unplugged and finally making some headway. Acts like we are pushing DV plug ahead of us. Drlg fairly solid at 7917'. Getting lots of cement cuttings in returns. Drlg slowed down. Getting pieces of metal in returns from DV tool. Drlg rate has dropped to about zero at 1630 hrs. Have experiment with different RPM, weights and pump pressure to no avail. Cuttings are real fine. Circulating hole before trip for bit. Setting back swivel and pull stripper head at 1700 hrs. Trip out to check bit. One hand left for town; working short handed.

Out of hole at 2000 hrs; bit locked up. Shut down for night.

May 2: Crews on location at 0800 hrs. Changing out sub that wouldn't shoulder up and pick up new bit. Strap back in hole. On bottom at 1230 hrs. Nippled up stripper head and started drilling. Made about one joint and drilling slow on top of plug for DV tool at 1500 hrs. Getting rubber and metal back. We may have drilled up plug. Bit is either locked up or we are still on top of part of the plug. Circulating out tubing. Depth is 8032' at 1730 hrs. Finished circulating out tubing and pulled bit one joint off bottom and shut down for week-end at 1830 hrs.

May 3: Rig shut down.

May 4: Crews arrived on location at 0835 hrs. One man short. Three man crew. Started drilling at 0900 hrs. Drilled down 6 jts of tubing today. Depth is 8228'. Will stop drilling and circulate tubing out at 1730 hrs. Tubing circulated clean at 1800 hrs and shut down for night.

May 5: Crews on location at 0800 hrs. Re-adjust swivel to make it hang plumb. Drilled to 8289'. Have made 2 joints down so far today. Running 5000# weight and 400 psi pump pressure. Drilled to 8511'. Made 283' today or 9 jts. Will stop drlg and circulate tubing out. Tubing circulated clean. Pulled 2 jts up and shut down for night. Flat tank is about half full of cuttings on return side and has about 1½' of fine sediments on suction side. Tank needs to be cleaned. Shut well in at 1900 hrs.

May 6: Crew arrived at 0800 hrs. Change out air hose on rig compressor. Cracked flange where air hose connects to compressor and replacement flange is to large. Started drlg cement. Will be able to get by with air supply until new flange arrives for rig air compressor. Almost to top of flat collar at 8565' and bit acts like its trying to quit. Hit float collar at 8572' at 1215 hrs. Still drlg on flat collar at 1430 hrs. Getting back aluminum and red matrix material. Will stop drilling and circulate out before cleaning pits. Cleaning pits and shale pit is about ½ full of cement cuttings and suction pit has about 2' of muck. Finished cleaning pits. Loading with brine water. Started drlg on shoe again at 1640 hrs. Made about 1' since we started drlg again. Will circulate tubing out and shut down for night at 1900 hrs. Drld from 8511' to 8572' (61').

May 7: Crew arrived at 0700 hrs and starting up equipment. Drlg on float collar. Schlumberger on location at 0800 hrs. Haven't made an inch on flat collar. Trip out for bit, and circulated tubing out and set back power swivel. Nipple down stripper

head and trip out of hole. Cones on bit loose with several broken teeth on one cone. Will lay down scraper and go back in hole with just the bit. Nipple up stripper head and picking up power swivel. Bit took weight between 7019' and 7087' going in hole. Finally drilled through float collar using high RPM on bit. Drilled 8' past shoe and still have some metal under us. Will stop and circulate out tubing for tonight. Circulated tubing and shut well down for night at 2030 hrs.

May 8: On location at 0700 hrs. Crew left note that they couldn't get fuel last night and would be late. CRC man started up equipment so we could get going. Engine on rig quit at 0730 hrs. I don't know if we are out of fuel or CRC man did something wrong. Told him to leave it alone before he ran the battery down or tore somethin up. Crew showed up with fuel at 0900 hrs. Started drilling. Power swivel ran out of fuel. Drilled to 8597' K.B. by tubing measurement but have only drilled 25' since drilling the flat collar. The cement drld from under the flat collar was not as hard as the cement above which gave us problems in trying to break up the metal from the float. Circulated tubing clean. Setting back power swivel and nippled down stripper head and start out of hole. Bit has a couple of broken teeth otherwise it's in good shape. Rigging up Schlumberger. Going in hole with gamma-spectrosity logging tool. Logged to 8599'. Tubing measurement was 8597.7'. Released crew at 1730 hrs. Finished running log at 2145 hrs. Out of hole with logging tool and closed blind rams. Schlumberger RPTD is 8600' corrected to original open hole logs.

May 9: Crew and Schlumberger arrived at 0700 hrs. Assembling CBL logging tool. Ran CBL log and preparing to perforate. Check collars at 8529', 8494', 8453', 8419', and 8381'. Okey. Perforated 8560-64'. 8543-45', and 8538-40' with 2 Hyper Jet II shots per foot. All guns fired.

May 10: Sunday - Didn't work.

May 11: Crew arrived at 0800 hrs. Rigging up power swivel and installing stripper head. Milling on DV tool at 6625'. Working mill and scraper back and forth through DV tool. Worked out knots in DV tool. Setting back power swivel and ran to bottom. Lay down power swivel. Checking tubing with a 1.901" drift. Out of hole and breaking down tools at 1630 hrs. Only had 2 under size joints. Will SWIFN. (1630 hrs)

May 12: Crew arrived at 0800 hrs. Pick-up MSOT 5½ packer and went in hole. Packer stopped at DV tool and took 20,000# pull to free. Came out of hole. Gauge rings on packer measure 4 5/8" OD or 4.625". Mill was 4.620" originally. Parts on road to rebuild packer to a smaller O.D. Went in hole with redressed packer (4.50"). Ran MSOT packer to 8485' (bottom of rubbers), rigged up swab, found lots of tight spots in tubing in first

2000 feet. Using undersize cups and have been able to work thru them so far. Ran swab to 6000' but did not get much fluid back. Have been running one cup only. Checked swab cup and it was torn. Shutting down for night. Fluid level at 2800'.

May 13: Fluid level 500' from surface. Using one undersize cup and still have tight spots. Checked bacside of tbg and found annulus on a vacuum. Swabbing from seating nipple - swabbed down to about 6000' inside tubing but still have vacuum on annulus. Reset packer and found it was already unseated. Reset with 14,000# weight on packer and rigging up to swab and check packer. Made on run and still have vacuum on backside. Pumped into annulus with pump and got circulation up thru tubing. Tried twice to reset packer but both times it unseated. Picking up a single and will try to set packer one jt. lower. Unable to get additional joint down so will lay down a jt and attempt to set packer higher. Reset packer twice with 14,000# and 18,000# on it and still got circulation. Coming out of hole to check packer. Packer looks o.k. but slips are worn. Rebuild packer. Shut well in at 1830 hrs after running 24 stds of pipe.

May 14: Crew arrived at 0800 hrs. GIH w/tbg and packer. Set packer and tested backside with rig pump. Got circulation at 200 psi. Dropped nylon ball in tbg to test tbg. Pressured up to 500 psi on tubing and got circulation on annulus. Pressure bled to zero on tubing. Ran swab mandrel to make sure nylon ball is at seating nipple. Ball is 1 7/8" O.D. Ran sinker bar to seating nipple and pressured up on tubing and still got circulation. Circulating ball out and will test tubing on way out. Nylon ball reversed out. Found wear marks from tubing across seating mark which may have allowed fluid to bypass. Tried a 1 3/4" ball with the same results. Can't get pump started to reverse ball out. (Bad ground cable on battery.) Started to reverse out, and pressure built to 900 psi immediately. Found nylon ball floating in top of TIW valve(balls will float in brine water but sink in fresh water). Pumped ball to bottom and hit seating nipple but still getting pump by. Will pull up above DV tool and test again. String pulling wet. Evidently ball stuck in seating nipple. Attempt to circulate ball out. Circulated ball out and coming out of hole. Pulled 60 stds, dropped ball and tested tubing. Still getting circulation; pressure goes up to 500 psi and bleeds immediately to zero. Circulated ball back to surface. Pulled 96 stds and tested to 800 psi. Found std #96 was loose. Went in with 12 stds torquing up each joint. Tested tubing and set and tested packer. Ran another 12 stds and tested. Shut in at 18 30 hrs.

May 15: Pusher and MSOT man on location at 0800 hrs but no crew. Went in hole anyway. Ran 24 stds in hole and tested tubing. Tbg wouldn't hold pressure so reversed ball out. Pulled 12 stds

dropped ball and pumped down tubing. Crew arrived at 1100 hrs. Tubing still wouldn't hold pressure so reversed ball out. Set packer and tried torquing the whole tubing string up with power tongs, but did not work. Pulled 6 stds tubing after circulating ball out. Going in with one std at a time until leak is found. Hole was in 3rd std. Looks like a corrosion hole. Changed out bad joint and ran 12 stds. Tightening all jts on way in. Wind came up real bad at 1400 hrs so shut down after testing another 12 stds. Wind died down at 1430 hrs, and went in with another 12 stds. Tested rest of tubing and ok. Circulated ball out and set packer and rigging up to swab. Swabbed fluid down to 2000' and packer holding. No vacuum on backside. Changed to a different type of swab cup. Previous cups were wearing out after each run. Fluid level at about 4600'. Threads pulled out of mandrel; left mandrel and two cups in hole at about 5500' and shut well in at 1700 hrs.

May 16: Crew arrived at 0800 hrs. Rigged up to reverse circulate swab out of tubing. Checked lubricator manifold and found swab mandrel and both cups. Reset packer and rigging up to swab. Will run only one cup. Set 16,000# on packer. Tbg is in bad shape on the inside because we are having to change cup after each run; and there are several tight spots in tbg. Fluid level staying at 4500'. Switched to wire swab cups and did much better on fluid recovery. Fluid level at about 5000' from surface. Have been reluctant to use wire cups because of scale inside tubing. Can't get by tight spot at 6300'. Pulled from 6300' and recovered 2000' of fluid and should have only recovered 1000'. Pressured up on backside to 500 psi to check packer and tubing and it held pressure. Perforations evidently making water. Found fluid level at 4500' on last pull. Fluid coming out is black and has a hydrogen sulfide smell. Fluid on next pull is real black and has a strong sulfur smell. Only can swab fluid down to 5500' from surface. Made 15 swab runs with a total recovery of 68 bbls of fluid for the day. Lowest pull was from 6300' where there is tight spots in tubing. Lowest fluid level was 5300' from surface which would recover to 4500' from surface within a short time. SWIFN at 1600 hrs.

May 17: Crew arrived at 0800 hrs. J & W Oilfield Services picked up CRC power swivel and hauling it to LM4-26. No pressure on tbg. Ran swab to 2000'. Hit fluid at 1000'. Recovered black sulphur water. Unseated packer and came out of hole. Schlumberger arrived at 1000 hrs. and brought the wrong setting sleeve for the bridge plug. Flying a tool from Vernal. Schlumberger went to Moab airport to get right sleeve at 1130 hrs and returned back at 1330 hrs. Attempted to log first set of perfs but bridge plug wouldn't go past upper perfs. Set bridge plug at 8533' with rubber pack-off at 8534'. Top of fluid in hole 880'. Checked collars at 8381', 8419', 8553', and 8494'. Perforated zones 8524-30' and 8494-98' with 2 sh/ft.

Rigged down Schlumberger and went in hole with packer and set at 8483' K.B. Tested backside to 600 psi. Will swab in morning. Shut well in at 1830 hrs.

May 19: Crew arrived at 0815 hrs. Swab would not go thru top jt of tubing. Laid down top jt and found flat spot on tubing box. Reset packer at 8450' K.B. Pressure tested backside to 500#. Preparing to swab. On pull 13 started getting a rainbow show of oil. Sandline not spooling on drum correctly and hydraulic jack was broken. Shut down operation until they get a new jack in the morning. Made 18 pulls and recovered 72.3 bbls of black sulphur water. Capacity of tubing is 32.7 bbls.

May 20: Crew arrived at 0800 hrs. Fluid level at 1200'. Fluid is still black sulphur water. Crew had pumped diesel down pump and ditch were flow line is located; therefore, oil sheen came from the diesel spillage and not the hole. Tripping out to set bridge plug and perforate. Set bridge plug at 8486'. Perforated only 8472-76'. Went back in to shoot 8440-44' and will shoot 8468-70' in the morning. Shot perfs 8468-70' with two 3 1/8" Omega shots/ft. Shut well in. Made 7 swab runs and recovered 28.4 bbls of black sulphur water for the day.

May 21: Crew arrived at 0800 hrs. Rigging up perf gun to go in hole. Came out of hole with gun and it did not fire. Went in to try to perforate again 8466-68' zone. Gun fired. Came out and went back in with packer and set at 8417'. Rigging up to swab perforated intervals 8472-76'; 8466-68'; and 8440-44'. Hit fluid level at 1000' on first run. Swabbed down to 8400'. Recovered a dark green fluid on first few runs and black sulphur water on last runs. There appears to be no fluid entry into the well. Did not recovery any fluid on last 2 runs. Will wait one hour before making another run. Made last run at 1730 hrs. Hit top of fluid at 8300' from surfact but no recovery. Shut well in. Made a total of 8 swab runs and recovered 278 bbls of fluid.

May 22: Crew arrived at 0805 hrs. No pressure on tubing. Rigging up to swab. Fluid level at 7400' from surface. Recovered 3.8 bbls of black suphur water. Second run pulled dry. Will unseat packer and pull tubing. Out of hole w/packer at 1200 hrs. Rigging up Welex. Rubber on packer is worn out so will have to rebuild packer. Set bridge plug at 8410'. Fluid level 700' from surface. Perforated 8284-8300'; 8268-8280'; and 8242-8256' with one sh/ft. Picked up new packer at 1800 hrs and ran it 12 stds and a single in the hole. Shut well in for holiday weekend.

May 23-25: Memorial Day Weekend -

May 26: Crew arrived at 0800 hrs. No pressure on tubing. Going in hole with tubing. Laid down six joints. Made 6 runs and

and swabbed tubing dry. Recovered 31.8 bbls of black sulphur water. No indication of gas or oil. Made another run and recovered 200' of fluid. Made another run and recovered 350' of fluid. Still no sign of oil or gas. Shut well in at 1700 hrs.

May 27: Crew arrived at 0800 hrs. Tubing pressure is 550#. Bled pressure off and flared gas. TIW valve leaked slightly; thereofre, shut-in pressure is probably low. Flare went out after 10 minutes. Going in hole with swab. Fluid level about 2000 feet above S.N. Recovered about 1800' of gas cut fluid and no oil. Made second run and recovered 400' of gas cut fluid. Flare will burn for about one minute after the swab run and go out. Shut-in tubing pressure after ½ hr was 100#; after another 45 minutes = 150#. Made a total of 6 runs for the day and reocvered 9.1 bbls. Last 3 runs were 1 hr apart and dry. Gas shows have become negligible and no oil shows. Shut well in.

May 28: Crew arrived at 0800 hrs. SITP: 300#. Bled off pressure and flared gas. Pressure bled off in about 3 minutes and gas would only burn intermittently while flowing. Went in with swab, fluid level atout 500' above S.N. Recovered 400' of gas uct fluid and no oil, and a 2-ft. flare. Dowell rigging up to acidize at 0830 hrs. Treated perfos 8284-8300'; 8268-8280' and 8242-56' with 24 bbls of 28% MSR acid. Formation broke at 2850 psi and treated at 2250 psi. Injection rate was 3½ BPM. Immediate shutin pressure was 1000 psi and rapidly dropped to zero psi. Dropped 2 balls after each 2 bbls for the first 12 bbls, then 3 balls after each 2 bbls for the final 12 bbls for a total of 54 balls. Displaced acid with 45 bbls of brine water. Had good ball action on first 5 sets of balls, then no ball action thereafter. Backside of tubing was pressured to 800# prior to treatment. Made 3 swab runs and well started unloading. Flowing well and unloading lots of fluid. Still making lots of water. Surged well several times in order to dry up but it still is making about the same amount of fluid.

May 29: No crews. Checked shut-in pressure with 2 gauges. SITP was 750# and 770# respectively. Crew arrived at 0830 hrs. Rig up to blow well down. Tubing blew down to nothing in 5 min. and flare burned only intermittently just before gas flow stopped. Went in with swab and hit fluid at 3500' from surface. Recovered gas cut fluid and caught a sample off top. Fluid still has smell of acid treatment. Made about 4 runs and recovered about 12 bbls of gas cut fluid. Hit fluid at 3000' from surface on last 3 runs and pulled from 5000' recovering an estimate 1000' of gas cut fluid per run. Checked backside of tbg and found well on vacuum; will load backside and check for leaks. Pressured up to 600# on backside; bled off at 100# per minute and had a flow from backside into flat tank. Acid has evidently put another hole in tubing. Unseated packer and still had 18,000# on it. Tripping out of

hole. Pulled 4 wet stds and decided to circulate nylon ball out of tubing. Flat tank almost empty and lots of sludge in bottom of tank. Will clean flat tank before putting new load of brine water in. Finished cleaning tank at 1515 hrs and circulating out ball. While circulating ball out we lost a lot of fluid to formation. Pusher arrived with a gallon of aluminum paint. Mixed a ½ gal of paint with 5 gals of diesel and poured down tubing. Didn't find any leaks with aluminum paint; shut well in at 1930 hrs.

Ten Mile Unit #1-26

5/30/81 Saturday

0800 Crews on location but no MSOT man with packer.

0830 Called MSOT and found that man had left an hour ago. Decided to go in with old packer rather than wait 2 hours for new packer. Will go in hole 12 stands at a time testing for leak in tubing. Also will set and test packer. Opened up well and found it on a vacuum. Evidently perforations are taking fluid.

0900 Run in 9 stands and a single and pressure tested tubing. We still have same leak.

0930 Installed valve and guage on top of tubing to isolate pump and surface lines and still have same leak.

1000 Set back one stand and pressure tested again and found connection leak on top of stand #8. Laid down single and picked up new joint.

1030 Pressure checked string after change out. Leak is better but still have slight leak. MSOT packer man arrived. Will pull out of hole and have tool man check packer. Found a hole in the middle of joint #10. Replaced joint and tested to 525 psi for 5 minutes, Okay.

1100 Tool man said packer was okay. Will go back in hole testing and will tighten each joint going in hole.

1600 Ran 129 stands plus a single of tubing. Pressure tested to 550 psi for 5 minutes, Okay. Reversing out nylon ball. Estimate that we have lost about 50 bbls. of brine water to perforations since tripping the tubing.

1700 Recovered nylon ball, reset packer and rigging up to swab.

1900 Have made a total of 6 swab runs and recovered 42.4 bbls. fluid. Fluid is staying at about 2500 feet from surface. Haven't had any signs of gas or oil and backside is holding okay. Shut well in for weekend.

5/31/81 Sunday

Not work day.

6/1/81 Monday

0800 Crews on location. SITP - 180 psig. Bled tubing pressure off and started in hole with swab.

0830 Hit top of fluid at 1500' from surface on first run.

1045 Have swabbed fluid down to 2800' on run #5. Started to get some gas and a small intermittent flare.

1730 Have made 18 runs for the day and recovered about 80 bbls. of fluid. Well still making fluid and have been unable to get a good tag on the fluid since it started getting gas cut. Flare will not burn until gas flow gets real low then we get about a 3 foot flare. Flow has been a little stronger on last two swab runs but not strong enough to unload the hole. Have hit gas and pockets of fluid at 5000' on last several runs and estimate fluid level has remained at about 7000 feet from surface.

6/2/81 Tuesday

0800 Crews on location. SITP 550 psig. Bleeding off pressure.

0830 Tubing blew down in 5 minutes and gas wouldn't ignite until gas flow had diminished considerably. Even then the flare would only burn intermittently. Running swab. Backside of tubing was on a small vacuum.

1030 Made two swab runs and found fluid at 4000' from surface. Unseated packer and preparing to come out of hole laying down tubing.

1500 Out of hole with packer and all the Hydril tubing is laid down.

1800 New tubing has not arrived yet so will release crews for tonight.

1900 Called Colorado Energy and found they had taken tubing to Salt Wash.

6/3/81 Wednesday

0810 Crews and Welex on location.

0830 Welex found a kink in their line and will have to re-head their line. J & W gin truck arrived on location to load out old Hydril tubing. Colorado Energy has not arrived with new tubing.

6/3/81 Wednesday (con't)

0930 Colordao Energy arrived with total of 260 joints of 2 3/8", 4.7#, EUE, ERW, 7000 psig test tubing.

1130 Checked collars at 8203', 8167', 8131', 8096', 8060', and set CIBP at 8215' K.B. Tagged plug at 8215' and POH with setting tool.

1300 Checked collars at 8203', 8167', 8131', 8096', 8060', and 7984'. Perforated at 8178'-8184' with 2 Welex SSP shots per foot. J & W finished loading 271 joints of 2 3/8" Hydril tubing on Colorado Energy's truck. Also sent in MSOT packer and joint of 3 1/2 drill pipe on same truck. Colorado Well Service pusher is taking in the rental MYT 2 3/8" elevators to BICO. Five joints of the Hydril tubing were bad.

1345 Welex rigged down. Started picking up new 2 3/8", 4.7#, EUE, tubing and went in hole with new packer.

1900 Ran 250 joints of 2 3/8" 4.7#, EUE, ERW, 7000 psig test tubing. Ran a swab mandrel through all joints. Shut well in for night.

6/4/81 Thursday

0800 Crews on location. No pressure on tubing or casing.

0845 Set MSOT packer at 8204' and pressured up on CIBP. Unable to hold pressure on bridge plug. Unseat packer.

0945 Tag up on bridge plug with packer to check tubing tally. B.P. at 8219' by tally and top of B.P. by wireline was 8214'. Tubing tally is about 5' on the long side.

1000 Reset packer at 8200' and pressure tested CIBP to 725 psig for 5 minutes, Okay.

1015 Reset packer at 8146' K.B. and rigged up to swab. Installing new flags in sand line.

1415 Have made 7 swab runs and recovered approx. 32 bbls. of fluid. Run number 7 was dry.

1600 Made pull #8 and had no recovery. Will give crews a short day and shut well in for night. Installed gauge to check pressure in morning. Backside holding okay.

6/5/81 Friday

0800 Crews on location. No pressure on tubing. Open valve and tubing on a vacuum.

0900 Made one swab run with no fluid recovery. Tubing dry.

1100 Unable to get equipment to acidize zone today so will change drilling line, make one more swab run and give crews a short day.

1600 Changed out drilling line and made a swab run. Swab went to SN without hitting fluid. No recovery of fluid on pull. Shut well in for night.

6/6/81 Saturday

0800 Crews on location. No pressure on tubing or backside. Wait on Dowell.

0900 Went to look for Dowell. Found them at Dubiakey well lost. Said they had been told to turn right instead of left.

0945 Dowell on location, rigging up.

1040 Treated perforations at 8178'-84' with 500 gals. of Dowell's 28% MSR acid. Breakdown pressure 3600 psig treating pressure 2300 psig, 5 minute shut-in pressure 200 psi, immediate shut-in pressure 500 psi. Average treating rate 3 BPM. Backside held 800 psi throughout job, Okay.

1100 Dowell rigged down. Rig rigging up to swab.

1700 Have made about 13 swab runs and recovered about 80 bbls. of gas-cut fluid. Switched lines from flat tank to reserve pit and getting a small 1 foot flare. Fluid level has been holding at 5000 feet from surface on last few pulls.

1800 Made a total of 15 runs for the day and recovered 85 bbls. of gas-cut fluid. Shut well in for weekend.

6/7/81 Sunday

Not work day

6/8/81 Monday

0800 Crews on location. SITP 300 psi.

0830 Tagged top of fluid at 3000' from surface. Backside of tubing still holding okay.

6/8/81 Monday (con't)

0930 Made 3 pulls so far. Fluid stayed at 3000' on first two pulls and hit fluid at 4500' from surface on third pull. Well flowed for about 5 minutes and died after third pull. Flare would only burn intermittently with an almost colorless flame and only after flow had become negligible. So far ther have been no shows of oil.

1030 Finished swab run #4 and hit fluid at 4500' with same results as before. Rigged down swab, unseated packer and prepared to pull out of hole. Recovered 30 bbls. of fluid.

1200 Laid down 55 joints of tubing and will stand back the remaining 194 joints.

1400 Out of hole with 97 stands of tubing and packer.

Bottom rubber element on packer is torn up and will have to get a new packer. Welex rigging up to set CIBP and perforate. Loaded hole with brine water.

1500 Collar locator quit working. Start out of hole with bridge plug.

1700 Checked collars at 8131', 8096', 8060', 8024', and 7984'. Set CIBP at 8150', pulled free and tagged it at 8150'.

1800 Went in with select fire gun and attempted to perforate 6363-70' and 6346-54'. Out of hole and guns did not fire. First gun went low order.

1900 Went in with one gun. Checked collars at 6390', 6353', 6319' and 6280'. Perforated 6346'-6354' with one Welex SSP shot per foot.

1945 Made last run and perforated at 6346'-6354' with one Welex SSP shot per foot. Hole started pressuring up while checking collars and started to blow while coming out of hole with gun. Opened flow line to flat tank and pulled gun from hole. Welex caused about 2 hours extra rig time. They did not charge for their pack-off which normally is charged at $240.00; however, 2 hours rig time at approximately $265.00 hour equals $530.00 - not too good a trade off.

2000 Shut well in for night.

6/9/81 Tuesday

0800 Crews on location. SICP - 80 psi. Opened flow line to flat tank and well bled down immediately with no smell of gas.

1100 Set MSOT packer at 6408' K.B. and pressure tested bridge plug to 550 psi for 5 minutes, okay.

1130 Pulled packer above perforations and set it at 6276' K.B. Rigging up to swab. Called Liquid Transport to see what happened to the 80 bbls. of brine water I ordered last night and was told it should be here soon and that was at 0930 hrs.

1445 Made 5 swab runs and have fluid down to 4500' from surface. Pouring new rope socket.

1600 Got swab stuck in lubricator. Laid down lubricator and dismantled it to get swab out and found swab mandrel bent. Replaced mandrel and prepared to swab again.

1645 Have been having a problem with a tight spot in tubing at about feet. Made no recovery on last swab run. Measuring in hole with Cavins meter to check depth we are stopping at.

1700 Cavins meter depth to SN was 6272' and tubing tally is 6271'. Driller found out he was one wrap off on his measurement and had been beating on the seating nipple instead of a tight spot in tubing which was the cause of the bent mandrel and re-heading of the rope socket. Since tubing is dry and we can only run one cup, will shut well in for night. Hopefully, we will have some new swab mandrels in the morning so we can run two swab cups. Made 7 pulls for a total recovery of 23.3 bbls. Tubing volume is 23.9 bbls. Last 3 pulls were dry.

6/10/81 Wednesday

0800 Crews on location. SITP press was 0 psi.

0830 Made one swab run and tubing is dry as a bone.

0915 Finally got through to Don Quigley on radio net and got word to pull packer so that we can perforate upper zones today.

0945 Unseated packer and started out of hole with same.

6/10/81 Wednesday (con't)

1130 Out of hole with packer. Wait on Schlumberger.

1815 Schlumberger arrived on location.

2000 Checked collars at 6319', 6280', 6244', 6206', and 6172'. Set CIBP at 6310'. Pulled free of bridge plug and re-tagged it at 6310'. Pressured up on bridge plug with 800 psi for 5 minutes okay with rig pump.

2100 Tagged bridge plug again at 6310' K.B. Checked collars at 6244', 6206', 6172', 6136', 6102', 6068', 6034', 6000', 5965', and 5930'. Perforated intervals 5940'-5946', 5934'-5938', 5926'-5931' and 5892'-5898' with one Schlumberger Hyper Jet II shots per foot. Shut well in for night.

6/11/81 Thursday

0800 Crews on location. SICP - 20 psi. Pressure bled of immediately.

0830 Unable to get packer slip assembly in lock position for going in hole.

0900 Called MSOT on problem and requested another packer.

0930 Finally figured out problem with packer. Unloader sub was jammed shut. Ran packer in hole one stand and set and unset packer, Okay.

0945 Going in hole with packer.

1200 Laid down 13 joints of tubing and set MSOT Model HI packer at 5850' K.B. Pressure tested backside to 800 psi for 5 minutes, Okay. Rigging up to swab.

1345 Made 5 swab runs and last run pulled dry. Recovered 22.6 bbls. of fluid. Well smells like its making some gas, and water samples have a little sheen to them. Checked backside and its holding okay. Tank gauge at start was 3' 11" and finish was 4' 6". Will wait an hour before making another pull.

1500 No pressure on tubing. Opened valve and got a slight blow which would not burn. Ran swab and recovered a 1/2 quart of fluid with some oil. We also had a 3 foot orange colored flare while pulling the swab. Flare went out immediately after swab run.

6/11/81 Thursday (con't)

1600 Made another run and recovered about a pint of fluid along with gas.

1700 Made another run and recovered a quart of fluid with some oil.

1800 Made final run with no fluid recovery. Shut well in for night.

6/12/81 Friday

0800 Crews on location. SITP 0 psi. Opened flow line valve and had a slight blow which died immediatley.

0830 Made one swab run with no recovery of fluid. There is apparently no gas and the flare we had yesterday was apparently caused by vapor from the distillate recovery with the oil on each swab run.

1045 Dowell hasn't shown up yet. Called Dowell and they are checking on truck and will call back.

1130 Called Dowell again and found out truck is broke down.

1400 Attempted to contact Dowell again to find out where their trucks are but can't get out on my radio.

1430 Don Quigley called and said that the Dowell trucks were over at the Salt Wash location. I don't understand how people can call in and talk to me, but I can't call out.

1625 Dowell arrived on location finally. Almost 6 1/2 hours rig standby time on Dowell. Pressured up backside to 900 psi.

1830 Treated perforations at 5892'-5898', 5926'-5931', 5934'-5938' and 5940'-5946' with 1000 gals. of Dowell's 28% MCR acid. Dropped 5 sets of 2 balls and 6 sets of 3 balls (one set after each 2 bbls. of acid). Max. pressure 4200 psig, treating pressure 4000 psig and average pressure 4000 psig. ISIP 3500 psig and 5 minute shut in pressure 3500 psig. When treating pressure went to 4000 psig the pressure on the backside increased from 900 psi to 1200 psi and held. Evidently the hold down slips gave slightly. Dropped a total of 28 balls on 25 holes and did not see any appreciable ball action. Average injection rate was 2 BPM. Displaced acid with 30 bbls. of brine water.

6/12/81 Friday (con't)

1900 Dowell rigging down. Flowing well back to flat tank.

1930 Well is still flowing but will try and swab anyway.

2000 Started getting some acid back on pull number two and lots of unspent acid on pull number three.

2100 Made swab runs and have tubing swabbed down to SN. Recovered 30 bbls. of fluid on flow back and 23 bbls. from swabbing for a total of 53 bbls. Getting too dark to see sandline flags. Shut well in for night.

6/13/81 Saturday

0800 SITP 100 psig. Bled pressure off and had a 15 foot orange flare for about 2 minutes.

0830 Pouring new rope socket.

0930 Hit fluid 700' above SN on first run. Recovered about 2.7 bbls. of water cut oil. Made a second swab run and recovered no fluid. Will wait one hour before making next swab run.

1100 Made run #3 and recovered about 1/2 gal. of oil.

1300 Recovered 3 gals. of water cut oil on run #4. The first samples caught look like they are 45% green oil.

1500 Made run #5 and recovered about a pint of oil. Shut in well for weekend.

6/14/81 Sunday

Not a work day.

6/15/81 Monday

0800 SITP - 120 psi. Opened tubing up and flared gas. Had a 15 foot flare initially which diminished and went out in 5 minutes.

0830 Tagged fluid 400' above top of seating nipple. Recovered about 1.5 bbls. 50% water cut oil.

1000 Made second swab run and did not tag or recover any fluid. Pull was from seating nipple.

6/15/81 Monday (con't)

1200 Made third swab run with same results as before. Cleaning flat tank so it can be loaded with fresh water for gelled acid frac in morning.

1400 Made another swab run with no recovery.

1500 Filling flat tank with fresh water from Frac-Master.

1600 Made fifth swab run with no recovery. Filled flat tank with 140 bbls. of fresh water. Shut well in for night.

6/16/81 Tuesday

0800 Crews on location. SITP - 100 psig. Opened up tubing and well flowed for 3 minutes before dying.

0830 Ran swab and tagged fluid 100' above SN. Recovered approximately 0.4 bbls. of 50% water cut light green oil. Waiting on Dowell.

0915 Dowell man finally showed and said they were lost. He's going back to get pump truck.

0935 Dowell equipment on location.

1145 Dowell has been mixing KCL and gel in the flat tank for over 1 1/2 hours and still don't have it mixed because pump truck is not mixing properly.

1230 Finally got chemicals mixed in flat tank. Dowell found that they had a stuck valve on the mixing system. Also, Dowell engineer found that he had pulled wrong ticket for last job to design emulsion frac. Redesigned frac on location.

1420 Start 28% Super-x Emulsion Frac.

1530 Finished frac. Treated perforations 5892'-98', 5926'-31', 5934'-38' and 5940'-46' with 5000 gals. of Dowell's 28% Super-x Emulsion. Maximum pressure 5000 psig, average pressure 4700 psig, immediate shut-in pressure 3900 psig. and 15 minute shut-in pressure 3900 psig. Maximum injection rate 4 3/4 BPM and average injection rate 2.85 BPM. Displaced frac with 48 bbls. of gelled water with 2% CaCl. Packer allowed backside pressure to increase from 1125 to 2100 psig at completion of frac.

1630 Bled pressure off backside and left tubing shut-in overnight as recommended by Dowell.

6/17/81 Wednesday

0800 Crews on location. Tried to check pressure on backside with rig pump gauge but blew nails off pop-off. Evident pressure equalized between tubing and annulus over night. Bled pressure off and recovered about 1/2 bbl. of fluid. Flat tank guage was 5" or 16 bbls. of fluid.

0845 Start flowing back tubing. Unable to get shut-in pressure because we only had 2000 psig guages on location and didn't want to ruin a guage to find out that shut-in pressure was probably over 3000 psig.

1000 Well still flowing back in heads. Checked sample and it looks like we are recovering about 3% light clear oil which is probably the diesel breaking out of the frac fluid. The recovered acid is still active.

1200 Guage - 3' 3 1/4". Have flowed back 109 bbls. of frac fluid so far and well is still heading up enough to prevent swabbing.

1245 Well stoped flowing enough to run swab. Reflagging line due to cutting off several hundred feet of brittle sandline yesterday. Also, TIW valve leaking is leaking bad and will have to get a replacement. Tank guage 3' 5 1/2" = 116.8 bbls.

1315 Made first swab run. Hit fluid at 200' from surface and went to 800' with swab where well was kicking too much to go deeper. Got a moderate flow of gas after swab run.

1515 Checked backside and found a slight vacuum. Evidently we have a small leak by the packer. Draining flat tank and will wait one hour before swabbing again since fluid in tubing is down to seating nipple. Tank guage 4' 2" or 144 bbls. of frac fluid recovered.

1730 Made last swab run and recovered about a 1/4 bbl. of fluid. Well flowed back 117 bbls. of fluid and have swabbed back 32 bbls. of fluid in 10 swab runs for a total of 149 bbls. of fluid. The last few samples had about 28% oil and diesel. We still have 90 bbls. of frac fluid to recover. Shut well in for night.

6/18/81 Thursday

0800 Crews on location. SITP-50 psig. Bled off pressure and gauged fluid in frac tank at 12" from bottom of tank.

6/18/81 Thursday (con't)

0915 Swabbed tubing dry in 4 runs. Tagged fluid at 3000' on first run. Tank guage 16" or have swabbed a total of 12.8 bbls. of fluid. Total frac fluid recovered to date is 161.8 bbls. of the 240 bbl. treatment. Percentage of oil in fluid for each run is #1-9%, #2-21%, #3-9%, #4-30%. Each sample recovered still has quite a bit of live acid.

1000 Made swab run 5 without any fluid recovery.

1200 Tank guage after pull #6 - 1' 4 3/8". Recovered 3/8" or 1.2 bbls. of water cut oil. Sample contained about 14% oil.

1400 Guage after swab run #7 - 1' 4 5/8". Recovered 2/8" or 0.8 bbls. of fluid containing 22% oil.

1600 Made run #8 and guaged 1' 4 7/8" or 0.8 bbls of fluid containing about 18% oil.

1800 Made swab run #9. Guaged tank after run at 1' 5 1/8" or 0.8 bbls. of fluid containing 25% light green oil. We are still getting back some moderately live acid and well has been making a slight amount of gas after each run. Shut well in for night. Total fluid recovered 165.4 bbls. and 16.4 bbls. for the day.

6/19/81 Friday

0800 Crews on location. SITP 75 psig.

0900 Tag fluid at 4800' from surface or 1050' of fluid above SN. Made 2 swab runs and recovered 1 1/8" of fluid in flat tank of 3.6 bbls. Second pull was dry. Fluid contained about 27% light green oil and acid in fluid is still mildly active.

0915 Unseat packer and prepare to trip out of hole.

1115 Out of hole with tubing and packer. Laid down 16 joints and now have 163 joints of tubing standing back. Wait on Welex.

1300 MSOT delivered new packer and Welex showed up.

1330 Drained water from flat tank and pumped oil from flat tank into frac-master.

1430 Welex rigged up and going in hole with first gun. Tagged fluid at 1587'. Dalgarno showed up with 80 bbls. of brine water. Loaded hole with brine water.

1600 Checked collars at 5478', 5442', 5407', 5372', 5337', and 5302'. Perforated intervals 5355'-5366' and 5340'-5348' with one Welex "SSP" shot per foot for a total of 21 holes.

6/19/81 Friday (con't)

1630 Rechecked oil sample from swab run this morning and it has approximately 32% oil. Also, the filtrate is clear indicating little or no acid. Going in hole with new packer.

1800 Ran 163 joints of tubing and set middle of packer at 5326' K.B. with 14,000 lbs. weight on it. Rigged up to be ready to swab in morning. Perforations are evidently taking fluid since we hit fluid half way in the hole with the packer and hole was loaded before perforating. Shut well in for night.

6/20/81 Saturday

0800 Crews on location. SITP 350 psig. Pressure bled off immediately.

0830 Tagged fluid at surface. Tank guage 1' 2".

0945 Made 5 swab runs and swabbed tubing dry on 4th run. Tank guage 1' 9 1/8". Recovered 22.8 bbls. of fluid. Capacity of tubing 20.6 bbls. Fluid samples are dark in color and turbid with a slight trace of oil.

1100 Made swab run #6 and hit fluid about 50 feet, 1' 9 1/8" above seating nipple. Recovered 0.8 bbls. of fluid with about 58% oil emulsion.

1200 Made run #7 and tubing was dry.

1300 Made pull #8 with no recovery of fluid but did get a small amount of gas. Shut tubing in after swab run.

1500 Opened tubing and had a one foot flare for about one minute before flare died. Made swab run #9. Recovered a 1/2 bbl. of 50% emulsified light green oil. Giving crew short day and shutting well in for weekend.

6/21/81 Sunday

Not a work day.

6/22/81 Monday

0800 Crews on location. SITP 25 psig. Tank guage 1' 9 3/8".

0830 Made first swab run and tagged fluid at 1000' above SN. Recovered 5.2 bbls. of fluid with about 10% light green oil and a small amount of gas.

0900 One of the swab mandrels was bent and the rope socket needed to be repoured so rather than waste an hour we will pull out of the hole with the packer to pick up a retrievable bridge plug.

6/22/81 Monday (con't)

1030 Out of hole with packer. Packer looked in good shape so picked up retrievable bridge plug and going back in hole. Bridge plug has a ball catcher.

1300 Set retrievable bridge plug at 5387' K.B. and packer at 5326' K.B. straddling perforations at 5340'-5348' and 5355'-5366'. Test annulus to 800 psig for 5 minutes, Okay. Set 18,000 lbs. on packer. Tank guage 1' 5" after loading hole.

1400 Reheading rope socket.

1430 Made first run after resetting packer. Hit top of fluid 800 feet from surface.

1530 Made 5 swab runs and swabbed tubing dry. Recovered 18 bls. of fluid with just a trace of oil. Backside holding Okay. Tank guage 1' 9 5/8".

1700 Made swab run #6 with no recovery. SWIFN.

6/23/81 Tuesday

0800 No pressure on tubing. Opened tubing and well was on a slight vacuum. Checked annulus and had a slight blow.

0830 Made first swab run and found tubing dry.

0900 Unseated packer and picked up two joints to go in and picked up retrievable bridge plug. Waiting on MSOT man to show up.

0930 MSOT man arrived. Unseated bridge plug and prepared to trip out of hole for perforating.

1100 Out of hole with packer but not with retrievable bridge plug. Laid down packer and going back in hole with retrieving tool to get bridge plug. Welex on location.

1300 Found retrievable bridge plug where it had been set originally at 5387'. Latched onto bridge plug and tripping out of hole.

1415 Out of hole with retrievable bridge plug.

1430 Rigging up Welex.

1630 Hit fluid at 1220' going in hole. Checked collars at 5302', 5268', 5234', 5198', 5163', 5198, and 5088'. Perforated interval 5204'-5224' with one Welex "SSP" shot per foot in two runs. Brine water arrived at 1615 hours.

6/23/81 Tuesday (con't)

1830 Checked collars at 4403', 4363', 4327', 4288', 4249', and 4210'. Perforated intervals 4390'-4398', 4378'-4388' and 4342'-4350' with one Welex "SSP" shot per foot.

1900 Welex rigged down. Picked up MOST Model "C" retrievable bridge plug and Model "HD" packer and went in hole.

2030 Set retrievable bridge plug at 5265' K.B. and packer at 5162' K.B. Shut well in for night.

6/24/81 Wednesday

0806 Crews on location. No pressure on tubing or casing. Tank guage 3' 8 1/2".

0900 Unable to get past 1500' with swab. Removed one mandrel and swab cup and will try again.

0930 One swab cup went Okay. First sample looked like drilling mud.

1015 Made 5 swab runs and swabbed tubing dry. Tagged fluid at 800' from surface on first run. Tank guage 4' 1 1/4". Total fluid recovery was 15.2 bbls.

1115 Made swab run #6 and recovered no fluid. Although there are vapors that smell like gas from the flow line, they will not burn. Checked annulus and its holding Okay.

1215 Made swab run #7 with no fluid recovery. Found part of a nylon frac ball in swab cups.

1400 Made pull #8 with no recovery.

1600 Made pull #9 with no recovery. Giving crew short day and shutting well in for night.

6/25/81 Thursday

0800 Crews on location. No pressure on tubing or annulus.

0830 Made first swab run and tubing was dry.

0900 Ran depth meter to check packer setting depth. Depth meter showed 5168' and tubing tally was 5162'.

0930 Unseated packer, picked up three joints of tubing and went in hole to retrieve bridge plug. Will stop just above bridge plug and wait on MSOT field man to arrive and retrieve bridge plug.

1030 MSOT field man on location.

6/25/81 Thursday (con't)

1100 Unseated bridge plug and will pull 13 stands.

1115 Set retrievable bridge plug at 4419' K.B. and pulled one stand of tubing.

1130 Picked up 3 pup joints (12.50' total) and set packer at 4360' K.B. Tank guage 4' 1 3/4". Rigged up to swab.

1145 Tagged fluid at 1500' on first swab run. Recovered what looked like brown drilling mud.

1230 Swabbed tubing dry in 2 runs. Used depthometer on third run and found packer at 4370' versus 4360' by tubing tally which is still Okay. Third run was dry. Tank guage 4' 4 1/2". Recovered 8.8 bbls. of fluid with no gas and a slight trace of oil.

1400 Made run #4 and recovered about 0.2 bbls. of fluid. Did not get a sample.

1500 Run #5 was dry.

1600 Run #6 was dry. Will give crew short day and shut well in for night.

6/26/81 Friday

0800 Crews on location. Both tubing and casing pressure were 0 psig. Tank guage was 4' 5".

0840 Ran in with swab and tagged fluid at 300' above the SN. Recovered about one barrel of fluid that looked like mud filtrate with a trace of oil. Made second run and had no fluid recovery.

0900 Laid down one joint and 3 pups and set packer at 4313'.

0915 Drained a 1/2 foot of fluid out of flat tank. New guage 4' 8 3/4". Hit fluid at 1800'. Swabbed well down in 2 runs and ran depthometer on third swab run. Found SN at 4297' with depthometer compared to 4309' by tubing tally. Tank guage was 50 7/8". Recovered 6.8 bbls. of fluid with no gas and only a trace of oil.

1100 Made swab run #4 with no fluid recovery.

1300 Recovered about 8 gals. of fluid on run #4 with a trace of oil and gas.

1530 Recovered about 8 gals. of what looked like drilling mud with a trace of oil. Also, had a 3 foot flare while pulling swab, then flare went out. Will give the crew a short day and shut well in for night.

6/27/81 Saturday

0800 No crew on location. SITP = 0 psig, however, there is a slight blow when tubing valve is opened.

0845 Crews showed up. Tried to ignite flow from flow line but it wouldn't burn.

0900 Hit fluid 200' above SN. Recovered about 0.7 bbls. of mud filtrate with 20% oil and emulsion. Flare burned while pulling swab, then went out.

0915 Made second swab run with no fluid recovery and did not get a flare while swabbing.

1030 Unseated packer, picked up three joints and went down to top of bridge and will wait on MSOT field man to unseat bridge plug.

1215 MSOT field man on location. Unseated bridge plug and tripping out of hole.

1400 Out of hole with bridge plug and packer. Bridge plug is okay but hold down slips on packer are ground flat. Will have to get a new packer Monday. Shutting well in for weekend.

6/28/81 Sunday

Not a work day.

6/28/81 Monday

0645 Arrived on location to pick up swab sample from perforated zones 5892'-5946' to deliver to Tom Pool at the Moab airport.

0830 Tom picked up samples.

1000 Arrived back at location. Crew going in hole with new packer as directed by the note I left.

1100 Set packer at 5850' by tubing tally. Checked depth with depthometer at 5866'. Loaded backside with brine water. Tank guage 41".

1300 Swabbed tubing dry in 5 runs. Guage was 46 1/8" or recovered 16.4 bbls. of fluid. Tagged fluid at 2000' from surface on first run. Fluid sample contained about 18% light green oil.

1400 Made swab run #6 and tubing was dry.

1600 Made swab run #7 and recovered about 0.2 bbls. of fluid containing about 100% oil. Also, had a continuous one foot flare since run #6. Shut well in for night.

6/30/81 Tuesday

0815 Crews on location. SITP was 100 psig. Opened tubing and had an initial 15' flare which died down to a one foot flare in 5 minutes. Tank guage 43 1/2".

0900 Hit fluid 200' above top of SN. Recovered about 0.8 bbls. of about 85% light green oil.

1100 Made run #2 and recovered about 75 feet of about 0.3 bbls. of fluid containing about 50% oil.

1300 Made run #3 and recovered 50' or about 0.2 bbls. of fluid containing about 50" oil. Eddie Boyd working on road.

1600 Made run #4 and recovered 40' or about 0.15 bbls. of fluid containing about 50% oil. Total recovery for the day was 1.45 bbls. of fuid varying from 50% to 85% oil. Shut well in for night.

~~7/1/81 Wednesday~~

0800 Crews on location. SITP 70 psig.

0830 Tagged fluid 230 feet above SN. Recovered about 1 bbl. of fluid with 78% light green oil.

0900 Dowell on location.

1000 Dowell tested water in frac tanks and found that the PH was too low in the tank that we had been swabbing into and the gel would not cross link. Ordering more water to fill other tank. Evidently we got some unspent acid with the oil which contaminated the whole tank of water. The PH by litmus paper was 4.

7/1/81 Wednesday

0800 Crews on location. SITP 70 psi.

0830 Tagged fluid 230 feet above SN. Recovered about 1 bbl. of fluid with 78% light green oil.

0900 Dowell on location.

1000 Dowell tested water in frac tanks and found that the PH was too low in the tank that we had been swabbing into and the gel would not cross link. Ordering more water to fill other tank. Evidently we got some uspent acid with the oil which contaminated the whole tank of water. The PH by litmus paper was 4.

1230 Water haulers have put three loads of water in the frac-master which should have more than filled it based on the 280 bbls. shown by the tank strap this morning. Truck driver said that DOT had stopped him and made him dump part of his load to meet load limits which left him with 50 bbls. of water to deliver.

1445 Finally have enough water on location but Dowell made a mistake and did not bring enough 100 mesh and 20/40 mesh sand. They lack about 3000 bbls. of 100 mesh and 7000 lbs. of 20/40 mesh sand. Also, the Dowell supervisors have left the location and I don't know where the blazes they went.

1600 Chad Deaton finally arrived on location. Called Don Quigley and discussed the problem with him and he said to go ahead with what we have. Evidently the program Dowell had differed from that submitted by Don, yet the amount of sand on location fitted neither program. Dowell's program called for 8,000# of 100 mesh and 17,000# of 20/40 mesh. They brought out 5,000# of 100 mesh and 10,000# of 20/40 mesh.

1700 Dowell finished redesigning sand stages. Pressure tested lines to 5500 psig and filled backside.

1715 Start 24 bbl. gel pad. First 14 bbls. was mixed light and the next 10 bbls. mixed at a 50 lb. gel.

1730 Stopped treatment due to pressure limitation of 5000 psig. When light gel pad started into formation treating pressure was 4500 psig at 4 BPM. When heavier gel hit pressure went to 5500 psig at 1 BPM and when sand hit pressure started climbing above 5500 psig and kicked pumps out. See Dowell's treatment report #15-72-2205.

1830 Unseated packer and reversed frac fluid out of hole. Attempted to contact Don Quigley without success.

7/1/81 Wednesday (con't)

1900 Shut well in for night.

7/2/81 Thursday

0800 Crews on location. SITP 850 psig.

0900 Dowell arrived on location.

1000 Made 5 swab runs and well is blowing gas better than it ever has.

1030 Made pull number 6 and fluid blew completely across pit due to gas in fluid. Gas flow died down to nil in about 5 minutes. Recovered fluid is real black with some oil. Dowell rigging up to treat well.

1100 Pressured backside to 650 psig and tested lines to 5000 psig.

1115 Pumped in 52 bbls. of fluid at 5 BPM at 5000 psig. ISIP 3800 psig. Flowed well back until pressure was zero.

1130 Pumped a total of 50 bbls. of fluid at 4.8 BPM at 4900 psig. Dropped a total of 36 balls on 25 perforations without any ball action. ISIP 3800 psig. Flowing well back to frac master.

1200 Talked with Chad Deaton who got in touch with Don Quigley. They decided to mix up a batch of 30 lb. gel in a water truck and pump down the hole for a test before premixing gel in frac master. Decided that it would take too long to clean flat tank good enough to insure that the gel wouldn't be contaminated. Called for another water truck.

1430 Water truck arrived. Batching up 70 bbls. of 30# gel.

1500 Tested lines and started test treatment with 70 bbls. of cross linked 30# gel.

1535 Finished test treatment. Treatment rates and pressures were as follows:

Rate	Press
5 BPM	4500
5 BPM	5000
4.7 BPM	5500
4.3 BPM	5500
2 BPM	5500
3.1 BPM	5400
5 BPM	5100

7/2/81 Thursday (con't)

1535 ISIP 3700 psig. Evidently friction pressure from the cross linked gel is causing the high pressures. For additional information see Dowell's treatment report #15-72-2210.

1710 Start sand frac using a linear gel instead of a cross-linked gel.

1900 Finished frac job. Treated well in 4 stages with a total of 628 bbls. of fluid, 7000 lbs. of 100 mesh sand and 15,000 lbs. of 20/40 mesh sand. Dropped 10 balls and 500 lbs. of rock salt between stages. Maximum pressure 5300 psig, minimum 4100 psig and Avg. 4600 psig. ISIP 3900 psig. For more detail see Dowell's treatment report #15-72-2210.

2000 After flowing back a few barrels of frac fluid Dowell recommended leaving well shut-in overnight. Shut well in for night.

7/3/81 Friday

0800 Crews on location. Opened well up to flow frac fluid to pits. Did not attempt to get shut-in pressure since we only had 2000 psig maximum reading gauges on location.

1200 Well is still flowing back in heads and making some gas but will go ahead and attempt to swab.

1700 Made 15 pulls since noon and recovered approximately 72 bbls. swabbing and about 200 bbls. flowing for a total of 272 bbls. Swab runs numbers 13 and 14 had about 10% oil and some gas. Since we did not have the right fitting to swab into the frac tank, the well was shut in for the weekend.

7/4/81 Saturday

Not a work day.

7/5/81 Sunday

Not a work day.

7/6/81 Monday

0800 Crews on location. Could not open TIW valve with valve wrench and decided not to attempt taking tubing pressure since we only had a low pressure tapped bull plug. Put a cheater on valve wrench in order to open valve and had an immediate flow of oil to pit. Shut valve and laying a line to the frac-master.

7/6/81 Monday (con't)

0930 Flowing well into frac-master. Initially there was some oil then it went to a gray foamy water. Checked pressure and had 800 psig with down stream valve pinched back. Due to the 1000 psig rating of some of the fittings we did not try to shut valve completely.

1100 Well has died down enough to attempt swabbing. Still getting back gelled frac fluid and 100 mesh sand.

1230 Swabbed well dry in six runs. Shutting well in to get pressure build up.

1400 Checked shut-in pressure of tubing and it was 0 psig. Made swab run #7 and tagged fluid at 3800'.

1500 Have made runs #8, 9, and 10 and swabbed well down. Samples are an emulsion of frac fluid, oil and gas and it is impossible to calculate an oil percentage.

1630 Made pull #11 and sample looks like about 30% oil emulsion. Hit fluid about 400 feet above SN. Swabbed dry on run #12.

1730 Made swab run #12 and recovered about 1 1/2 bbls. of fluid containing about 40 % oil. Recovered a total of 58 bbls. of fluid as determined by tank guage. Will leave well flowing over night into frac-master. Shutting down for night. Tank guage: Start 3' 4 1/4"; stop 4' 6 1/2".

7/7/81 Tuesday

0800 Crews on location. Tank guage 4' 7" this morning. Made a 1/2 inch over night or 2 bbls. of fluid. Well is dead this morning. Airline dryer on rig blew up. Repaired same.

0930 Tagged top of fluid at 2000' from surface. Recovered 100% oil on first part of pull then frac fluid. Sample contains about 59% highly gas cut light green oil.

1030 Swabbed well down in four pulls. Getting a good gas flow into tank. Sample #2 had 11% oil and samples #3 and #4 were a black emulsion with no discernable oil water interface. Will wait one hour before swabbing again.

1200 Made pull #5. Unable to tell where top of fluid was due to gas. Recovered about 200' of fluid or 3/4 of a bbl. of fluid containing 21% oil.

1300 Made pull #6 and recovered 1/2 bbl. of fluid with 19% oil.

1430 Made pull #7 and recovered 1/2 bbl. of fluid with 31% oil.

7/7/81 Tuesday (con't)

1600 Made pull #8 and recovered 3/10 bbl. of fluid with 15 % highly gas cut oil. Shut well in for night to get pressure build up. Recovered a total of 21 1/4 bbls. of fluid for the day. Based on an estimated 25% oil recovery, this amounts to 5.3 bbls. of oil.

7/8/81 Wednesday

0800 Crews on location. SITP 50 psig. Tubing blew down in 2 minutes. Tank guage 60 1/4".

0845 Tagged fluid at 3300' from surface on first run. Sample contained 48% highly gas cut light green oil.

0900 Tagged fluid at 4400' and pulled from SN on second run. Sample contained 15% gas cut oil.

0930 Recovered about 100' of fluid on swab run #3 containing 33% oil.

1030 Recovered 300' of fluid on run #4 containing 25% oil.

1130 Recovered 250' of fluid on run #5 containing 27% oil.

1245 Recovered 300' of gasey fluid on run #6 containing 26% oil.

1400 Recovered 130' of gasey fluid on run #7 containing 20% oil.

1500 Recovered 130' of fluid on run #8 containing 27% oil.

1600 Recovered 100' of fluid on run #9 containing 17% oil.

Tank guage was 63" or a total recovery for the day of 11.3 bbls. Recovery by swab pulls was 15 bbls., but due to gas in the fluid this figure is high. Shut well in for night.

7/9/81 Thursday

0800 No crews. SITP 100 psig. Tank guage 63".

0900 Crews on location. They had overheating problems with their truck.

1000 Tagged fluid at 4300' and swabbed tubing dry in two runs. Samples contained 48% and 53% oil respectively.

1015 Unseated packer and attempted to go down hole and tag sand. Found sand immediately below packer.

7/9/81 Thursday (con't)

1015 (con't)	Prepared to trip out of hole and picked up retrievable bridge plug.
1200	Out of hole with packer and it looks okay.
1330	Ran back in hole and set bridge plug at 4419'. Pulled above perforations at 4378'-4398' and set packer at 4360' K.B.
1430	Unable to get sandline down to packer by depthometer check. Open unloader on packer and will try reverse circulating.
1530	Reverse circulated tubing out and making another run with the depthometer to check packer setting.
1600	Depthometer went to 4365'. Preparing to swab hole down.
1700	Swabbed hole down in three swab runs. Shut well in for night.

7/10/81 Friday

0800	Crews on location. Preparing to unseat packer and go after retrievable bridge plug.
0900	Tripping out of hole with bridge plug and packer. One frac tank is full and two water trucks are standing by.
1030	Out of hole with bridge. Picking up new cup type bridge plus MSOT didn't have the parts to modify the old bridge plug from a ball catcher type to a none ball catcher bridge plug.
1130	Either the packer or bridge plug set while going in hole and MSOT tool is having problems getting them unseated. Hart called and informed me that the Dowell equipment was headed for his location instead of mine.
1230	Set MSOT Model (cup type) retrieveable bridge plug at 5394" K.B. and Model "HD" packer at 5294' K.B. to straddle perforations 5340'-5348' and 5355'-5366'.
1300	Swabbing tubing down.
1330	Tubing swabbed down. Wait on Dowell.
1400	Dowell arrived on location.
1530	Went to check on stuck nitrogen truck and they had torn up the axles and rear end. Attempted to get ahold of Eddie Boyd without success.

7/10/81 Friday (con't)

1600 Got water trucks to pull nitrogen truck out of way so we could get vehicles in and out of location.

1700 Shutting well in for night and will do frac in morning.

7/11/81 Saturday

0800 Dowell and rig crew on location, but no water trucks from liquid transport as ordered.

0915 Pressured up backside to 800 psig.

0930 Pressure checked lines and tied down flow line.

0950 Water trucks finally arrived.

1000 Start pre-pad on frac. Injection rate was 4.8 BPM at 4900 psig. Eddie Boyd working on road.

1100 Pumped in 295 bbls. of fluid with 1750# of mesh sand and 5292# of 20/40 mesh sand. Max. pressure 5400 psig, avg. pressure 5000 psig. Dropped 500# of salt and 14 balls with flush. Pressure went to 5400 psig when balls hit. Shut down frac after first stage due to communication on backside. Backside had gone to 1900 psig and then broke back to 1250 psig about half way through putting in the 1 1/2# of 20/40 sand without a similar decrease on the tubing side. Evidently we had communications through perforations at 5204'-5224' and may have broke down the perforations at 4300'. Rigged up to flow well back.

1215 Well still flowing back strong but will try to unseat packer and reverse out any sand above packer.

1300 Unable to open TIW valve due to pressure. Had Dowell pressure upon top of valve to get it open.

1400 Got packer unseated and reversing out sand. Tried to get a hold of Don Quigley without success. Circulated 100 bbls. of fluid around packer and reset packer.

1500 Well still flowing frac fluid with some oil. Attempted to contact Don Quigley again without success.

1600 Still unable to contact Don. Well is still flowing to strong to kill.

1700 Decided to release Dowell and will attempt to pull packer above perforations at 4300 feet before shutting down.

1800 Well still flowing too strong to pull tubing. Hooking up well to frac tank and will let well flow over night into tank. Shut well in for night. Tank guage 5' 4 1/4".

7/12/81 Sunday

0930 — None workday for rig. Checked well and found it still flowing. Guaged tank at 5' 8 3/4" or well has flowed 4 1/2" since shut-in yesterday. Caught samples and found they contained 51% oil and eumulsion. The emulsion looked like clabbered gel. Well has made 18.9 bbls. of fluid in 15 1/2 hours containing at 50% oil.

1030 — Guaged frac master again at 5' 9 7/8" or a gain of 1 1/8" for an additional 4.7 bbls. of fluid. Total recovery to date is 23.6 bbls.

7/13/81 Monday

0800 — Tank guage is 6' 11" which is a gain of 13 1/8" in 21 1/2 hour or 55 bbls. of fluid. Total recovery to date 78.7 bbls.

0900 — Well is still making gas but not much fluid, just an oil mist.

0945 — Made one swab run from 1500 feet and recovered very highly gas cut fluid. Fluid level was near surface but was unable to get a good tag due to gas. Well would not flow fluid but continued to make gas. Will shut well in to get a pressure build. Pressure was 70 psig on shut-in.

Time	Press.
0945	70 psig
1000	170 psig
1015	200 psig
1030	225 psig
1100	260 psig

1200 — Unseated packer and reverse circulating hole to clean up sand and kill well.

1345 — Finally got well dead enough to pull packer. Pulling out of hole with packer.

1500 — Out of hole with packer and going back in hole with retrieving to retrieve bridge plug.

1700 — Went 25 feet past where bridge plug had been set at 5394' and did not tag plug.

1730 — Unable to get ahold of MSOT people so will shut down for night.

7/14/81 Tuesday

0800 — Crews on location. SICP 1040 psig. Bleeding off casing pressure. Making oil and gas into flat tank.

7/14/81 Tuesday (con't)

0830 Circulating hole to get oil out and make sure well is dead.

0945 Well is still gassing a little but dead enough to go in hole after retrievable bridge plug.

1000 Tagged sand at about 5435'. Rigging up to reverse circulated down to bridge plug. Rig pump won't start. Working on starter.

1100 Finally got pump started.

1145 Washed onto bridge plug at 5462' or 66' below where it was initially set. Washed out 31 feet of sand from top of bridge plug. Reverse circulating hole.

1230 Attempting to unseat packer.

1300 MSOT field man still messing around trying to unseat bridge plug without any luck. I don't think he knows what he's doing.

1310 Finally got bridge plug unseated after MSOT man called his office. Evidently he wasn't setting enough weight on bridge plug to open equalizer valve.

1415 Well is still flowing a little out of tubing but dead enough to start out of hole.

1430 Pulled one joint and well started flowing through tubing again. Pumping brine water down tubing.

1450 Had tubing killed and starting out of hole again.

1630 Out of hole with MSOT Type "B" retrievable bridge plug. Top rubber cup was torn up and looked like it was sand blasted. Also, hold down slips were worn flat on packer so will pick up new bridge plug and packer.

1645 Going back in hole.

1800 Well started to unload through tubing. Pumped brine water down tubing and continue trip in hole.

1900 Had Trouble setting both the bridge plug and the packer but finally got them set. Set bridge plug at 4434' K.B. and packer at 4315' K.B. Rigging up to swab.

2030 Tubing swabbed down. Shut well in for night.

7/15/81 Wednesday

0800 No pressure on tubing.

7/15/81 Wednesday (con't)

0830	Dowell on location. Made one swab run and recovered 250 feet of fluid with trace green oil.
1000	Tested lines to 5500 psig. Loaded backside and pressured up to 1000 psig. Started pumping acid.
1015	Treated perforations at 4342'-4350', 4378'-88' and 4390'-98' with 1500 gals. of Dowells 15% "A-200" acid. Dropped 10 balls after each 500 gals. Formation broke at 3450 psig at 5 BPM. Maximum injection rate was 6 BPM at 3400 psig. Maximum pressure was 5750 when well balled off at end of displacement. Flushed balls off perforations and over displaced acid by 5 bbls. ISIP was 1850 psig and 15 minute pressure was 1600 psig. For more detail see Dowell treatment report #15-72-2245. Backside went to 1500 psig.
1100	Bled well down and getting live acid back with fluid.
1130	Rigging up to swab. Tank guage is 3' 8 1/4".
1230	Swabbed tubing down in 3 runs. Got a slight show of oil on last run.
1330	Made 2 runs and recovered 5.8 bbls. of fluid containing trace green oil.
1500	Made another run and left jars, swab mandrels and cups in hole. Jars had backed off from sinker bar.
1530	Opened unloader valve in packer and reversing out to see if tools will come up tubing.
1540	Caught jars in TIW valve.
1550	Dropped tools back down tubing again while trying to remove bull plug from top of swab "T".
1600	Installed lubricator and reversed tools out again, okay. Making up swab assembly again and close unloader valve on packer. Packer unseated when we opened unloader and having a problem resetting packer.
1630	Packer reset. Rigging up to swab well down again.
1715	Swabbed tubing down in 3 runs. Samples showed only a trace of oil.
1800	Made final swab run and recovered 400 feet of fluid or 1 1/2 bbls. containing a trace of oil. Fluid still smells like acid. Shut well in for night. Tank guage 4' 6". Recovered 40 bbls. of fluid for the day.

7/16/81 Thursday

0800	Checked tubing pressure at 100 psig and annulus at 0 psig.
0830	Tagged fluid at 1000' from surface. Recovered 7.6 bbls. of fluid containing 57% oil on first run. Tank guage 4' 6".
0915	Swabbed tubing dry in 3 runs. Second run recovered 5 bbls. of fluid with 12% oil and third run was 0.8 bbls. with 10% oil.
1030	Made run #4 and recovered 400 feet of fluid (1.5 bbls.) containing 12% oil.
1145	Run #5 recovered 300' of fluid containing 9% oil.
1315	Run #6 recovered 300' of fluid containing 9% oil.
1415	Run #7 recovered 200' of fluid containing 15% oil.
1515	Run #8 recovered 250' of fluid containing 12% oil.
1615	Run #9 recovered 200' of fluid containing 6% oil.
1715	Run #10 recovered 200' of fluid containing 12% oil.
	Guaged tank at 5' for a total recovery of the day of 25 bbls. averaging 10% oil. Shut well in for night.

7/17/81 Friday

0800	SITP was 150 psig.
0830	Tagged fluid at 2800' and recovered 5.8 bbls. of 100% oil on first swab run.
0945	Run #2 recovered 300' of fluid (1.1 bbls.) containing 18% oil. Tubing swabbed dry. Laying down swab.
0915	Unseat packer and went after bridge plug.
0930	Unseated bridge plug and prepared to trip out of hole.
1100	Out of hole with bridge plug and packer. Recovered 40 ball sealers in ball catcher. Picked up 4 5/8" bit and tripped in hole.
1200	Well started flowing through tubing. Pumped brine water down tubing.
1345	Have 180 joints of tubing in hole and had to kill well again. Installing stripper head.

7/17/81 Friday (con't)

1415 Tagged top of sand at 5850'.

1430 Home made swivel came apart and fell on roughneck Jim, hitting him on lower left side and hip.

1500 Attempting to wash out sand.

1600 Haven't made an inch trying to wash down. It also acts like the casing may be tight at this point.

1630 Pulled a stand and a single and shut well in for night. Ordered a power swivel for 0800 hours in the morning.

7/18/81 Saturday

0800 Casing pressure 800 psig and tubing pressure 0 psig. Bleeding off casing pressure.

0845 Casing still kicking out lots of oil and gas. Start pumping brine water down tubing to circulate oil out of casing.

0900 Oil and gas circulated out and well is dormant. Rigging up power swivel.

0945 Drilling on metal.

1130 Recovered some rubber, which probably came off the bridge plug that went down the hole 67 feet, and some steel cuttings but we haven't made any inch of hole. Will circulate down tubing to kill well before tripping out to look at bit.

1200 Setting back swivel and starting out of hole.

1445 Out of hole. Bit guage teeth are chewed up and there are wear marks on the shanks. Going back in hole open ended with a collar on bottom of first joint and a seating nipple on top of the joint.

1630 Went past bad spot at 5850', Okay and tagged up on sand at 6172' K.B.

1730 Rigged up swivel and prepared to circulate 4 joints down to bridge plug at 6310'.

1900 Got sand circulated down to 6244'. Circulating tubing out.

1930 Circulated tubing clean. Pulled swivel and tubing as high as possible and shut well in for weekend.

7/19/81 Sunday

Not a work day.

7/20/81 Monday

0800 Crews on location. SICP = 700 psig.

0830 Bleeding pressure off annulus. Getting lots of gas and oil.

0900 Washing out sand.

1015 Circulated tubing to 6310' where we hit bridge plug. Circulating hole clean of sand.

1100 Hole circulated clean. Pumping down tubing to kill tubing.

1130 Killed well and standing back swivel. Preparing to lay down 40 joints of tubing.

1330 Laid down 40 joints of tubing, leaving 154 joints of 2 3/8" EUE, 4.7# tubing in hole or 5024 feet. Mud anchor is set at 5039' K.B. and S.N. is at 5006' K.B. Installed donut and landed tubing in tubing spool.

1400 Pulled off BOP.

1500 Nippled up tubing flange and master valve. Loading out power swivel and BOP.

1600 All equipment loaded out. Bob Cottingham to OK TIW valve, power swivel, xo sub, MSOT bit sub, and stripper head in his pick-up. Black Hills Trucking took the power swivel, accumulator and BOP. Rigging up to swab.

1630 Pressure on annulus built up to 300 psig and hole is unloading through tubing. Tank guage 2' 7 1/2".

1800 Well still flowing in heads and cannot run swab. Pumped fluid and oil out of flat tank into frac master. Shutting well in for night.

7/21/81 Tuesday

0800 SICP = 350 psig. Master valve on tubing is not holding pressure. Called Colorado Energy and they will deliver a new valve. Tank guage 2' 10".

0900 Turned master valve over to see if it would hold pressure from the other side and it wouldn't.

7/21/81 Tuesday (con't)

1030 Finally figured out why valve was leaking. If valve is closed to tightly it leaks. If valve is closed lightly until it closes it holds okay. Rigging up to swab.

1130 Tagged fluid at 400' and pulled from 2500'. Recovered only gas cut brine water with a trace of oil.

1600 Have made 12 swab runs so far and haven't been able to lower fluid level below 4000' from surface on last 6 runs.

1730 Made 18 pulls for the day and recovered a total of 112 bbls. of fluid. Last 4 pulls contained between 20% and 25% oil. All the previous runs contained about 5% oil. Shut well in for night.

7/22/81 Wednesday

0800 SICP = 230 psig. Opened tubing and it blew down in 5 minutes without bringing any fluid up. Tank guage 5' 2".

0830 Tagged fluid at 3000' and pulled from S.N. Pressure on backside is still 230 psig but well won't flow through tubing.

0945 Made 4 swab runs so far. First run recovered 100% oil and the last 3 runs about 25% oil. Fluid level is still remaining at 4000 feet from surface.

1030 Made 5 swab runs and fluid is still at 4000'.

1100 Rigging down rig.

1300 Rig ready to move. Guaged tank at 5' 8" or recovered 25 bbls. of fluid averaging 25% oil. Drained second frac tank and its' ready to move. Draining water off frac tank we've been swabbing into. Nippling up wellhead.

1400 Frac tank with oil in it still has some water. Everything ready to go and leaving location.

Aug. 21: Crew arrived at 0800 hrs. Casing Pressure = 650#. T.P. = o#. Ran sinker bar in tubing to 5000' - no plugs. Rigged up to swab. Found fluid level in tubing at 800'. First run (1000' of fluid) had 20% oil and rest was salt water. Tank gauge at beginning was 22" (76.5 bbl of oil). Began swabbing at 1000 hrs. Made 16 swab runs. Swabbed 86 bbls fluid. Oil content ranged from 20% to 100%. Last few runs recovered all oil. Fluid level remained at approx. 3500' from surface after 10 runs. Shut well in at 1800 hrs. Tank gauge is 3'10".

Aug. 22: Crew arrived at 0800 hrs. T.P. = 100#, C.P. = 150#. Fluid level at 3000' below surface. Began swabbing at 0830 hrs. First runs all oil. Made 10 runs and swabbed fluid down to 4600'. After 10th run, blew strong gas (no oil) for 2 hrs. Couldn't get swab down. Recovered 23 bbls of fluid in 5½ hrs. Last 3 runs all oil. Shut well in at 1600 hrs. Tank gauge 4'4".

Aug. 23: Sunday - Didn't work.

Aug. 24: Crew arrived at 0800 hrs. T.P. = 40#' C.P. = 260#. Fluid level at 2600' below surface. Made 8 runs and fluid level dropped to 4500' below surface and staying steady. Made 8 runs and recovered 32 bbl fluid - mostly oil. Well flows gas with spray of oil intermittently and won't let swab down. Made 2 more runs and recovered 8 more bbls oil. f0 bbls oil for day - Tank gauge at 5'2" (227 bbl). Shut well in at 1600 hrs.

Aug. 25: Crew arrived at 0800 hrs. T.P. = 40#; C.P. = 270#. Tried to drain water off tank and had no water at front of tank - all oil. (Back may have a few inches of water.) Found fluid level at 3300' below surface. Made 8 runs and recovered 20 bbl of oil. Well flowing intermittently for 30 minutes after 4th run. Tank gauge 5'7" (247 bbls). Shut well in at 1630 hrs and sent crew home.

Aug. 26: Crew arrived at 0800 hrs. T.P. = 40#; C.P. = 320#. Tank Gauge 5'6". Fluid level at 3100' from surface. Made 11 runs with swab. Recovered 28 bbl oil. Well flows gas and spray of oil for 30 minutes or more, but dies so have to run swab to bring up oil. Tank gauge at finish is 6'1" (271 bbls). Sent crew home at 1630 hrs and shut well in.

Aug. 27: Crew arrived at 0800 hrs. T.P. = 60#. C.P. = 350#. Fluid level at 3800'. Made 10 runs and swabbed fluid level down to 4700' below surface. Recovered 24 bbls of fluid (50% oil and 50% water). Rods and pump arrived at 1600 hrs. Unloaded rods. Shut well in at 1800 hrs and crew went home. Tank Gauge is 6'7".

Aug. 28: Crew arrived at 0800 hrs. T. P. = 120#.. C. P. = 280#. Picked up pump and checked valves at 0830 hrs. Started in hole with pump and rods. Ran 197 rods plus a 4' pony rod. Spaced out pump and installed pumping T, stuffing box, polish rod and valves. Rigged down and released rig at 1800 hrs.

Sept. 23-30: Installed Hercules Pumping Unit and connected well to temporary tanks. Finished hook-up and began unit pumping at 2:30 P.M. Well pumped up at 3:30 P.M.

Oct. 1: Well pumped 40 bbl oil by 8:30 A.M.

Oct. 2: Well pumped 38 bbl oil by 8:30 A.M.

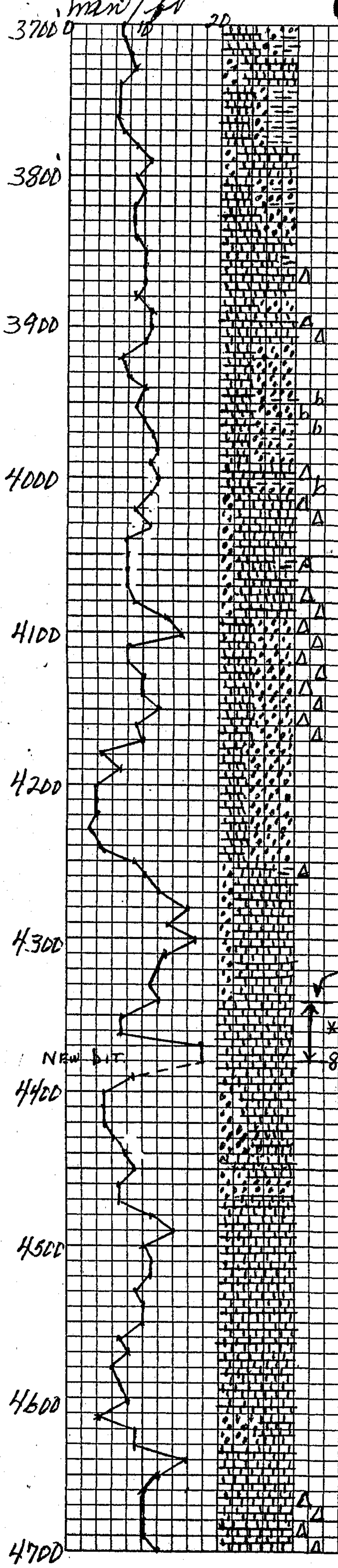
Oct. 3: Well pumped 10 bbl oil by 8:30 A.M.

Oct. 4: Well pumped 20 bbl oil by 8:30 A.M.

Oct. 5: Well pumped 20 bbl oil by 8:30 A.M.

Oct. 6: Well pumped 20 bbl oil by 8:30 A.M.

min/ft



Lt. gry vfg. calc. tgt ss + gry slst + lms.
Gry calc. slst. mica. slst + lms.
Brn + gry sucrosic to sdy lms.

Dk. gry + grn sh; rddsh brn mica slst; gry + lt. brn suc. lms.

Lt tan to gry suc to sdy lms

Lt. gry vfg. calc. tgt. ss. dk gry calc. slst + sh + lms.
As above + rdsh brn mica slst
Lt. brn vfg. calc. ss.; tan suc. lms; (mica)
*Lt brn suc. lms; Brn xln lms + dol w/scat specs of brn resid oil
*As above + some blk petro sh.
Brn + gry chty lms.
Lt brn xln lms
Gry vfg calc. ss
Lt brn chty lms

Gry vfg. calc. glauc. ss

qtzTc + some pk bent. sh.
Gry. calc. - bent. vfg. ss + lms
+ gry-grn calc. sh.

Lt. brn chty xln lms.
Dk gry calc. sh; lt. gry bent. calc. sh, lt. brn lms; gry vfg. ang ss.
Lt. brn sdy chty lms.
Lt brn to lt gry suc. sdy lms + dol.
+ Wh. anhy + bent.

Lt. gry hd. qtzTc. calc. ss + gry xln to suc. lms. + ch.

Lt gry to cln. vfg - qtzTc calc. ss.

Wh. to cln. vfg. to fg. calc. ss.

Lt brn to gry chty sdy lms - some blk sh.
*Dk brn suc. to sdy lms + dol. - sl oil st. (scat) NO CUT
* w/ scat. fluor.
* w/ brn oil st, resid oil spks + scat. fluor.

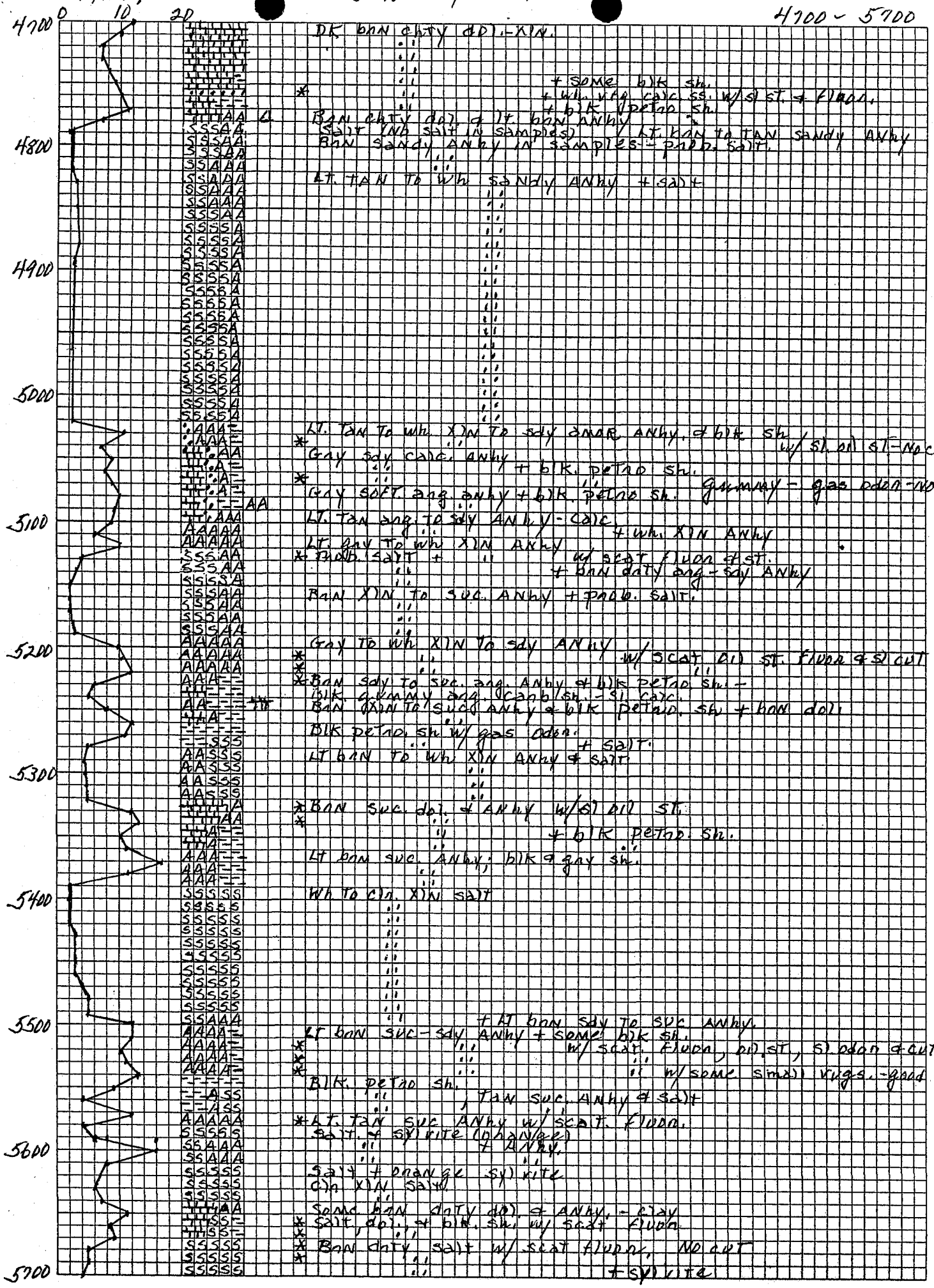
DST #1 - Rec. 750' gas in D.P.; 2' free oil; 70' OCM - SIP 308#

*Lt gry suc. to chalky lms w/ gas odor - sl st. + scat fluor - NO CUT,
w/ solid - lt. blue fluor - strong gas odor, w/ cut
Lt. gry to lt. brn xln lms + dol.
Dk brn xln lms + dol.
*Dk brn to blk suc. to xln lms + dol. w/ blk resid oil spks + stks.
Lt gry. to wh. sdy suc. lms NO SHOWS.
+ gry to wh. calc. vfg. to qtzTc ss.
*Dk brn xln to suc lms + dol w/ blk resid oil
*Wh. to cln. vfg. calc. ss + sdy lms / w. scat fluor
*Lt. brn xln. lms + dol. w/ scat fluor + faint cut.
Lt brn to wh. xln lms + dol. - some sucrosic + chalky

Lt gry to wh. suc. to xln. lms - lt. brn suc. lms.
Dk brn sdy lms to suc. lms.
V. dk brn xln lms.
Lt. brn to lt gry suc. to xln lms + some chalky
Lt gry to wh. vfg. calc. - qtzTc ss + lt brn xln to suc. lms.
Lt brn + lt gry to wh. suc. to chalky lms.
Dk. brn suc. to xln dol.
(chty)

46 0862

K+E 5 X 5 TO 1/2 INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



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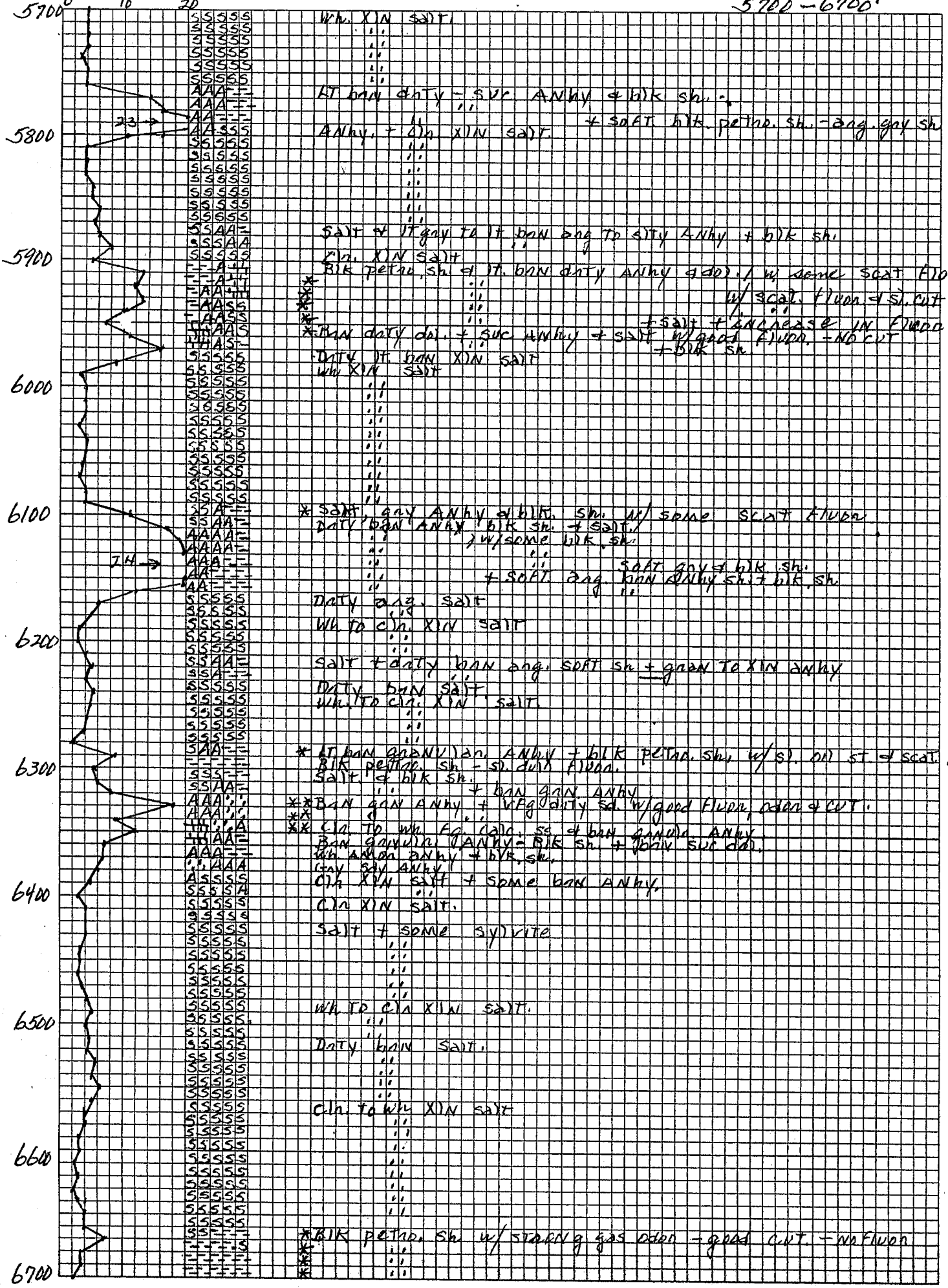
Ten Mile #1-26

5700'-6700'



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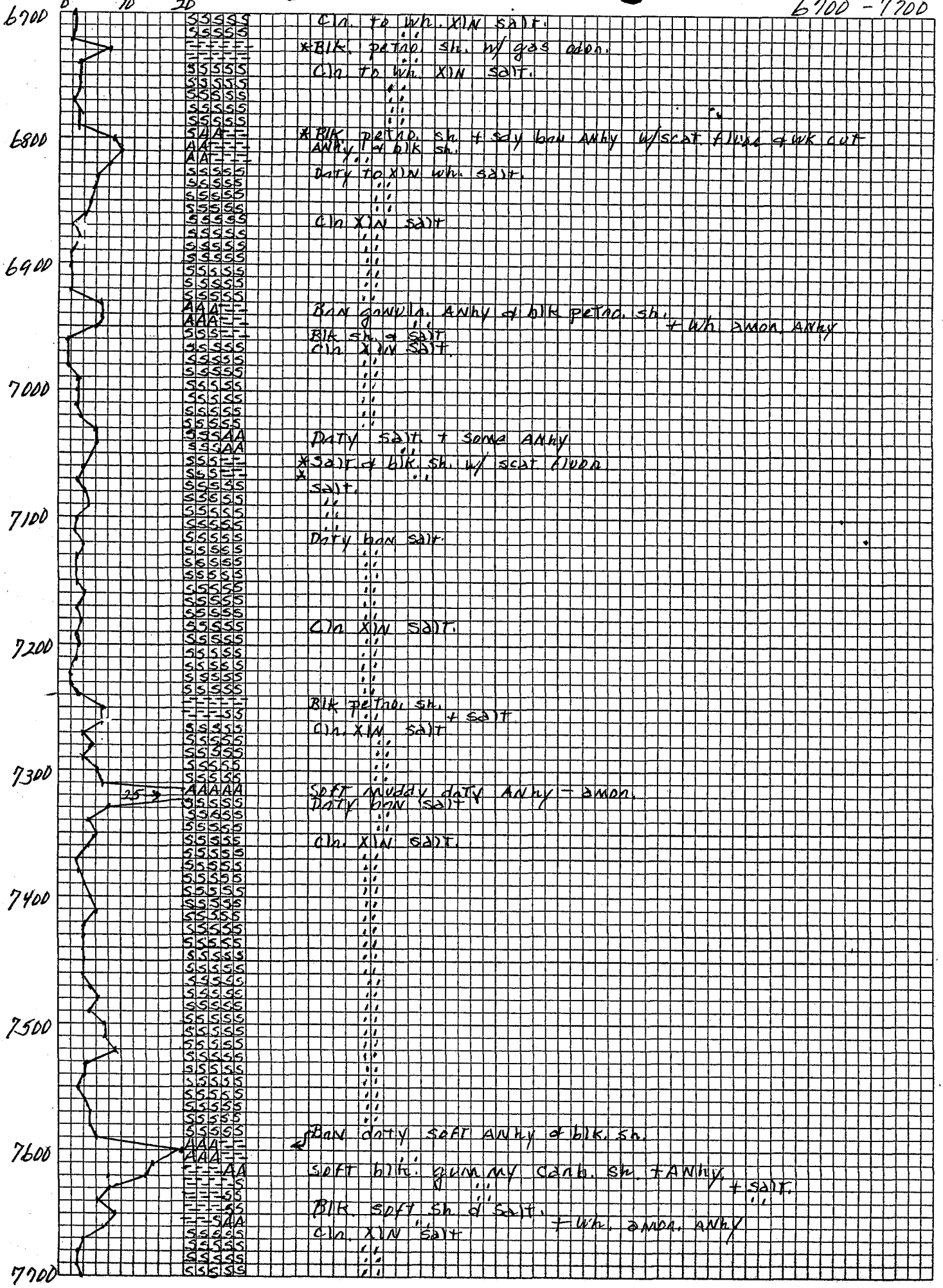
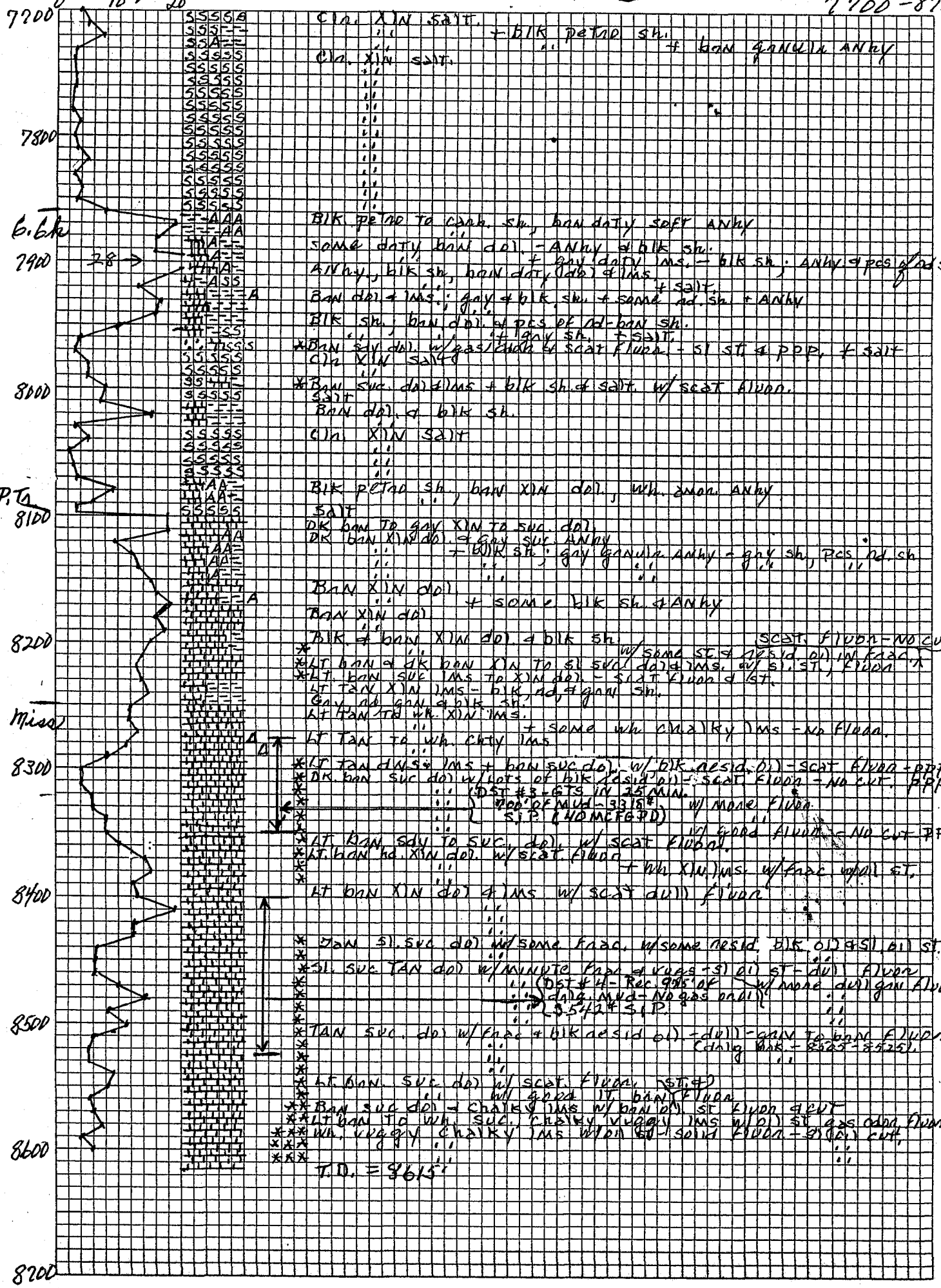


Len-Mike # 1-26 6[redacted]

7700'-8700'



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Form 9-330
(Rev. 5-63)

13

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

OCT 26 1981

7. UNIT AGREEMENT NAME: TENMILE

8. FARM OR LEASE NAME: FEDERAL

2. NAME OF OPERATOR: MEGADON ENERGY CORPORATION

9. WELL NO.: #1-26

3. ADDRESS OF OPERATOR: 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

10. FIELD AND POOL, OR WILDCAT: WILDCAT

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: SW.SW. SECTION 26, T 24S, R 17E, SLM
At top prod. interval reported below: 973' FR. W-LINE AND 687' FR. S-LINE
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SWSW. SEC. 26-24S-17E. SLM.

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-019-30688	9-15-80	GRAND	UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-31-80	4-2-81	8-28-81	4637 Grd; 4655' KB	4638'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8615'	6310'	10 zones	→	0-8615'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5890-5950'; 5340-5370'; 5200-5225'; 4340-4400'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DUAL LATEROLOG; GAMMA-DENSITY-CNL; SPECTROSCOPY

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	46.00#	40'	17½"	40 SKS	NONE
9 5/8"	36.00#	1238'	12¼"	375 SKS	NONE
5½"	17.00#	8600'	8 3/4"	1665 SKS	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

5940-46
5934-38
5926-31
5892-98'
5355-66'
5340-48'
5204-24'
4390-98'
4378-88'
4342-50'
1 sh/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5890-5950' - 5000 gal gelled (H20) + 628 bbl 22000# sand.	1000 gal 28% Hcl acid + super XEmulsion (diesel x-linked gelled H20 + (Over)

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8-24-81	SWABBING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-24-81	8 hrs	OPEN		40	40	3	1 MCF/BBL

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	300#		20-40	30	5	48

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): VENTED

TEST WITNESSED BY: TOM STALEY

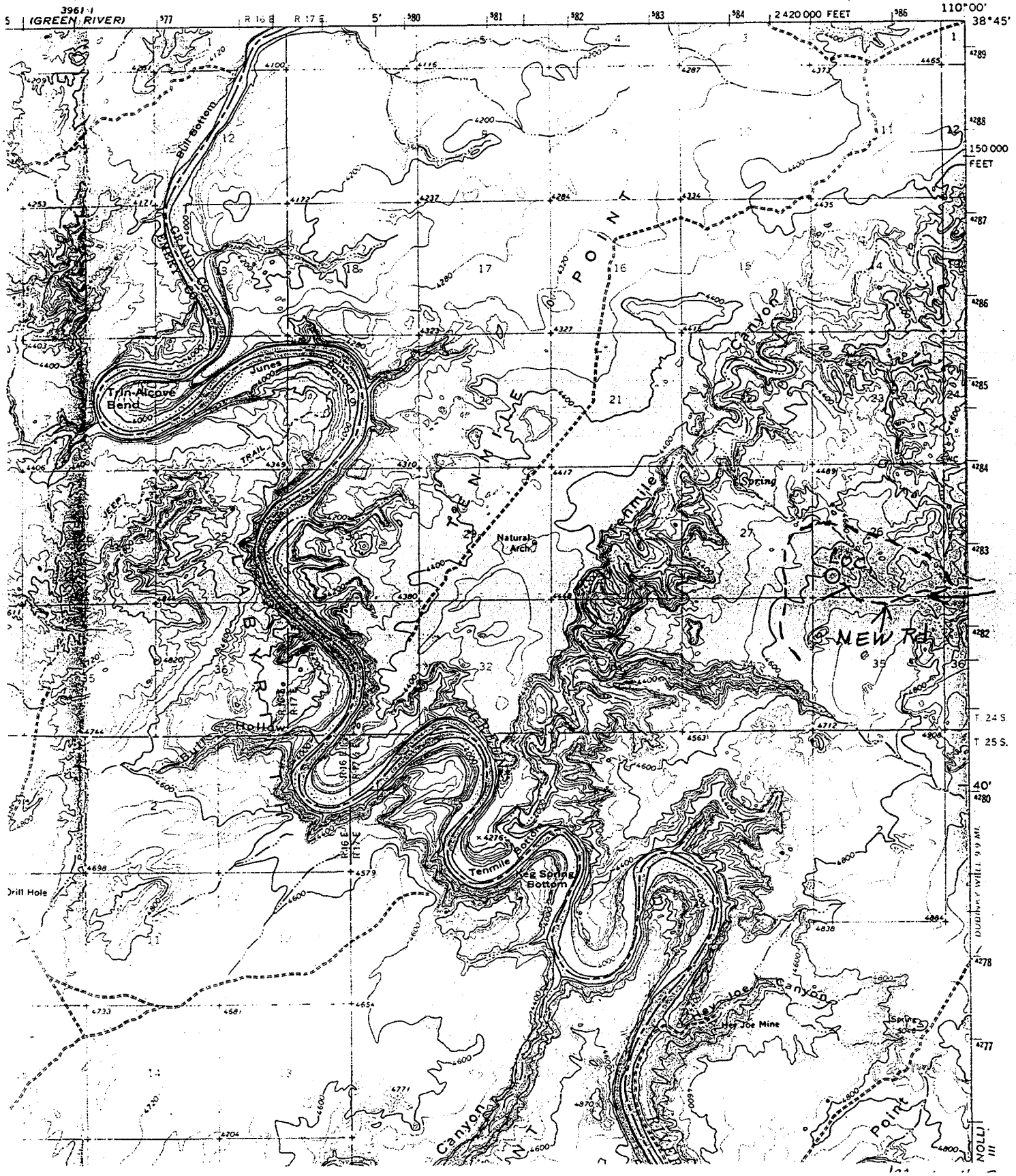
35. LIST OF ATTACHMENTS: DRILLING & COMPLETION HISTORIES - SAMPLE LOG

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W. Don Langley TITLE PRESIDENT DATE 10-9-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

BOWKNOT BEND QUADRANGLE
UTAH
15 MINUTE SERIES (TOPOGRAPHIC)



Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

OCT 2 0 1981

2. NAME OF OPERATOR
MEGADON ENERGY CORPORATION

3. ADDRESS OF OPERATOR
57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface SW.SW. SECTION 26, T 24S, R 17E, SLM
At top prod. interval reported below 973' FR. W-LINE AND 687' FR. S-LINE
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
TENMILE

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
#1-26

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SWSW. SEC. 26-24S-17E. SLM.

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-019-30688	9-15-80	GRAND	UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-31-80	4-2-81	8-28-81	4637 Grd. 4655' KB	4638'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8615'	6310'	10 zones	→	0-8615'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5890-5950'; 5340-5370'; 5200-5225'; 4340-4400'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DUAL LATEROLOG; GAMMA-DENSITY-CNL; SPECTROSCOPY

27. WAS WELL CORED
NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	46.00#	40'	17½"	40 SKS	NONE
9 5/8"	36.00#	1238'	12¼"	375 SKS	NONE
5½"	17.00#	8600'	8 3/4"	1665 SKS	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
5940-46 5340-48'
5934-38 5204-24'
5926-31 4390-98'
5892-98' 4378-88'
5355-66' 4342-50'
1 sh/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5890-5950' -	1000 gal 28% Hcl acid +
5000 gal gel	led super XEmulsion (diese
+ H20) + 628	bbl x-linked gelled H20 +
22000# sand.	(Over)

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8-24-81	SWABBING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-24-81	8 hrs	OPEN	→	40	40	3	1 MCF/BBL

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	300#	→	20-40	30	5	48

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
VENTED

TEST WITNESSED BY
TOM STALEY

35. LIST OF ATTACHMENTS
DRILLING & COMPLETION HISTORIES - SAMPLE LOG

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W. Don Langley TITLE PRESIDENT DATE 10-9-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

5340-5370': 295 bbls gelled H_2O + 7000# sand.
4340-4400': 1500 gal = 15% Hcl acid.

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Chinle	850	1145	Shale and sandstone
Shinarump	1145	1230	Sandstone and conglomerate
Moenkopi	1230	1750	Red shale, siltstone, sandstone
Kaibab	1750	1825	Calcareous sandstone
Coconino	1825	2150	Sandstone
Organ Rock	2150	2710	Red siltstone, calcareous ss and sdy lms.
Cutler (W. Camp)	2710	3390	Limestone and siltstone
Hermosa (Upper)	3390	4768	Limestone
Salt Paradox	4768	8090	Salt, black shale, anhydrite
Pinkerton Trl	8090	8230	Blk shale, anhydrite, dolomite, lms
Leadville-Miss.	8230	8615 T.D.	Limestone

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

GPO 680-147

MEGADON ENTERPRISES, INC.
309 Guaranty Bank Building • 817 17th St. • Denver, Colorado 80202 • (303) 573-0093
57 West South Temple • Salt Lake City, Utah 84101 • (801) 359-3575

24S 17E

July 20, 1982

Mr. E. W. Guynn
Minerals Management Service
Oil & Gas Operations
2000 Administrative Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Ten Mile Unit
Grand County, Utah

Dear Ed:

In reply to your letter of July 14, 1982 regarding production from the #1-26 well on the Ten Mile Unit, Grand County, Utah; we have had very disappointing results to date regarding this production. The well initially began pumping a steady 20 bbls of oil per day without any water. This production was steady for about 10 days and then the well suddenly went to water with very little oil. Consequently, we removed the pump jack and tanks which were on a rental basis. The well has thus been shut-in since for about six months. However, we are in the process of testing the well again since we have determined that the well has built up considerable pressure and oil is present at the surface. Arrangements are being made to put a temporary tank on the site and flow the well on a small choke to determine once again whether the well is capable of production in paying quantities. We have had considerable delay in accomplishing the necessary work due to the sad state of the economy. Several of our investors have failed to meet their financial obligations with us; and we have been reluctant to continue carrying them without assurance of payment. Due to the excessive windfall profits tax, it makes economic operation of even a good well questionable.

As you know the production from the clastic zones in the salt section of the Hermosa formation in the Paradox Basin is very unpredictable. Some of the problems are mechanical and some may be due to reservoir characteristics. We still haven't developed a technique which is entirely satisfactory as far as treatment and production are concerned. There is sufficient salt in fine grains in the produced fluid to completely seal off the pumping equipment. The injection of fresh water down the annulus helps but is not entirely successful. There can be little doubt that the oil is present; but the reservoir rock is very different from the normal sand or carbonate rock and must, therefore, be subjected to much different techniques for successful production. The reservoir rock is usually composed of granular, silty anhydrite and/or granular salt. Normal treatments involving acid and/or Kcl waters have not been successful; thus new and different techniques must be found and these take time and money. We have been working closely with Davis Oil Co. in attempting to find suitable methods. To date, the experiments in this regard are not completely satisfactory.

We will continue to get production information on the #1-26 well at Ten Mile and hopefully will determine its capability within the next month. Until this is accomplished, a request for another participating area must be held in abeyance.

Sincerely yours,

W. Don Quigley

W. Don Quigley
President

WDQ/sb

cc: Minerals Management Service
Denver, Colorado

2 X

23

Form 9-331 (May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-015081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
SEP 27 1985
DIVISION OF OIL GAS & MINING

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: TEN MILE

2. NAME OF OPERATOR: MEGADON ENTERPRISES INC.

8. FARM OR LEASE NAME: FEDERAL

3. ADDRESS OF OPERATOR: SUITE 253, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

9. WELL NO.: TEN MILE #1-26

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
SW. SW. SECTION 26, T 24S, R 17E, SLM.
973' FR. W-LINE AND 687' FR. S-LINE

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW.SW. SEC. 26-24S-17E. SLM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4637' Grd; 4638' Well Head

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Temporary Abandonment			[X]
(Other)							

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is hereby requested to temporarily abandon the subject well for a period of approximately one year due to the present economic situation. None of the well owners want to spend anymore money to rework the well at the present time. The well head valves are locked and the tanks and pump jack have been removed. Location is cleaned and the pits have been filled-in. Perhaps the economy will improve in the mean time.

18. I hereby certify that the foregoing is true and correct

SIGNED W. Don Quigley TITLE President DATE 9-26-85

(This space for Federal or State office use)

APPROVED BY ____ TITLE ____ DATE ____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 1, 1985

Megadon Enterprises, Inc.
57 West South Temple #253
Salt Lake City, Utah 84101

Gentlemen:

Re: Attached Wells

We have received your July Production Report indicating that these wells are temporarily abandoned; however, there is no information as to where the temporary plugs are set in are files.

If plugs have been set, it is necessary to submit this information on "Sundry Notices". If plugs haven't been set, the well is not temporarily abandoned; it is either shut in or operations have been suspended.

Thank you for your prompt attention to this matter.

Sincerely,

Tami Alexander
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Suspense File
File

0277/01

Attachement:

1- Well No. Bolinder #C-1 - Sec. 12, T 16S, R 12E, Emery County, Utah - API #43-015-15603.

2- Well No. Federal 1-26 - Sec. 26, T 24S, R 17E, Grand County, Utah - API #43-019-30688.

3- Well No. Federal 4-26 - Sec. 26, T 27S, R 21E, San Juan County, Utah - API #43-037-30617.

4- Well No. Lion Mesa 5-28 - Sec. 28, T 27S, R 21E, San Juan County, Utah - API #43-037-30650.

0277/02

MEGADON ENTERPRISES, INC.
57 West South Temple • Salt Lake City, Utah 84101 • (801) 359-3575

October 14, 1985

Ms. Tami Alexander
Oil, Gas & Mining
Dept. of Natural Resources
Suite 350; 3 Triad Center
355 West North Temple
Salt Lake City, Utah 84180-1203

Re: Attached Wells

Dear Ms. Alexander:

We are in receipt of your letter dated October 1, 1985 regarding our July Production Report in which we indicated the above attached list of wells were temporarily abandoned.

We were notified by the BLM recently in form of an Incident of Non-Compliance (INC) that we had to indicate the above wells were temporarily abandoned instead of shut-in. Consequently I assumed since these wells are all on Federal Leases, we would indicate on the State Production Report the wells are TA/SI also. However, since this is obviously not acceptable with the State and there have not been any temporary plugs set, I will indicate on future State reports that these wells are shut-in.

If you have any questions, please advise.

Sincerely yours,

Sherrill L. Bateman

Sherrill L. Bateman
Secretary/Treasurer

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth

/sb

Attachment:

1: Well No. Bolinder #C-1, Section 12, T 16S, R 12E, Emery County, Utah - API #43-015-15603.

2: Well No. Federal 1-26, Section 26, T 24S, R 17E, Grand County, Utah - API #43-019-30688.

3: Well No. Federal 4-26, Section 26, T 27S, R 21E, San Juan County, Utah - API #43-037-30617

4: Well No. Lion Mesa 5-28 - Section 28, T 27S, R 21E, San Juan County, Utah - API #43-037-30650.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15081

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: ~~Tennilo 1-20~~ Federal 1-26

2. NAME OF OPERATOR: Megadon Energy Corp c/o BP America

9. API NUMBER: ~~4303730688~~ 43019-30688

3. ADDRESS OF OPERATOR: 1701 Summit Avenue, Ste CITY Plano STATE TX ZIP 75074

PHONE NUMBER: (972) 509-7022

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 687' FSL and 973' FWL

COUNTY: Grand County

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 26 24S 17E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☑ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 12/21/2014	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☑ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BP America c/o Anderson Engineering contracted with A-Plus Well Service, Inc to plug and abandon this well on 12/7/14 per the attached report.

Contact information for A-Plus is P.O. Box 1979, Farmington, NM 87499; Phone 505-325-2627; fax 505-325-1211

Marker Plate is located at n 38o 41' 19" and W 110o 1' 19"

Harrison Field Service, Moab UT, completed the reclamation and re-seeding of this well pad on 12/21/2014

RECEIVED
FEB 05 2015
DIV. OF OIL, GAS & MINING

1/3

NAME (PLEASE PRINT) William F. Clark TITLE Contractor, A-Plus Well Service Inc.

SIGNATURE William F Clark DATE 1/30/2015

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 *fax: 505-325-1211

Anderson Engineering
Tenmile 1-26

December 22, 2014

687' FSL and 973' FWL, Section 26, T-24-S, R-17-E
Grand County, Utah
Lease Number: UTU-15081
API #43-037-30688

Plug and Abandonment Report
Notified UDOG&M and BLM on 11/24/14

Plug and Abandonment Summary:

Plug #1 with 40 sxs (47.2 cf) Class B cement with 2% Cal Chloride inside the 5.5" casing from 5884' to 5523' to isolate the Leadville Mississippian perforations. WOC and tag TOC at 5564'.

Plug #2 with CR at 5114'; spot 32 sxs (37.8 cf) Class B cement from 5114' to 4825' to isolate the Paradox perforations. PUH and WOC overnight. Tag TOC at 4866'.

Plug #3 with CR at 4292'; spot 30 sxs (37.8 cf) Class B cement inside casing from 4292' to 4021' to isolate the Hermosa perforations. Spot 9.0 ppg mud above cement.

Plug #4 perforate 3 holes at 2200' and set CR at 2147'; mix and pump 114 sxs (134.5 cf) Class B cement from 2200'to 1948' to cover the Cutler top; squeeze 89 sxs below CR, and outside 5.5" casing; sting out of CR and leave 25 sxs inside casing above the CR up to 1948'.

Plug #5 perforate 3 holes at 1312' and set CR at 1267'; mix and pump 87 sxs (102.7 cf) Class B cement from 1312' to 1132' to cover the Chinle top and surface casing shoe; squeeze 72 sxs below the CR and leave 15 sxs inside the casing above the CR. WOC. Tag TOC at 1124'.

Plug #6 perforate 3 holes at 100'; mix and pump 42 sxs (49.56 cf) Class B cement down the 5.5" caign from 100' to surface, circulate good cement out BH valve.

Plugging Work Details:

11/25/14 Rode rig and equipment to location. Note: Very soft road; required rig up truck to assist rig and other equipment last 4 miles. Clamp off rods and remove rods from pump jack bridle. RD production lines. SI Well. SDFD.

11/26/14 Check well pressures: tubing, casing and BH 0 PSI. Move pump jack away from wellhead. Rig anchors installed and tested. Dig out BH valve and install 2" line to surface. RU rig. Attempt to unseat rod pump, pulling 24K. SI Well. SDFD.

12/1/14 Check well pressures: tubing, casing and BH 0 PSI. Attempt to work rods free; parted rods at 24,000 PSI. Pull and LD rods to find body break on 45th rod. X-Over for tubing. ND WH. PU on tubing string hung in WH at 36,000 PSI. Attempt to work tubing anchor free, unable. Calculate tubing stretch to determine free point at 5000' where TAC is. SI Well. SDFD.

A-PLUS WELL SERVICE, INC.

Plug and Abandonment Summary:

12/2/14 Check well pressures: tubing, casing and BH 0 PSI. RU power swivel to rotate and work tubing free. RD power swivel. TOH with 34 joints of tubing to parted rods. Back off and pull 19 rods. RU Action Hot Oil Truck; pump 8 bbls of hot water down casing. Pressured up to 900 PSI. Continue to pull rods and tubing alternating. Remove from well at day's end: 168 3/4" rods and 100 joints 2.375" tubing. SI Well. SDFD.

12/3/14 Check well pressures: tubing and BH 0 PSI, casing 60 PSI. Blow down well to pit. TOH with 53 rods and then pull tubing; found Aero-set packer. Continued stripping out rods and tubing until rods stuck in paraffin. Cut rods with hacksaw to LD tubing. Found last 2 joints of tubing solid with salt. Recovered from well a total of 177 joints 2.375" EUE tubing (5776') and 235 3/4" rods (poor shape) and pump. Prepare and tally A-Plus 2.375" workstring. TIH with tubing to 5884'; unable to get deeper. Jeff Brown,with Moab BLM, approved procedure change to set plug 31 at this depth. Establish circulation out casing with water; pump a total of 145 bbls of water to circulate well clean. PUH with 20 joints tubing to 5203'. SI & SDFN.

12/4/14 Check well pressures: tubing and BH 0 PSI, casing 20 PSI. TIH to 5884' and spot Plug #1. TOH with tubing. WOC. TIH with string mill and tag TOC at 5564'. Pull tubing up to 5490'. Then mix and spot a 9 bbl, 9 ppg, mud spacer from 5490' up to 5112'. TOH with string mill. TIH and set 5.5" CR at 5114'. Pump 7 bbls of water ahead. Spot Plug #2. PUH with tubing to 3862'. SI Well. SDFD.

12/5/14 Check well pressures: casing, tubing, BH 0 PSI. TIH and tag plug #2 TOC at 4866'. PUH to 4816' and mix 12 bbls of9.0 ppg mud. Spot mud spacer from 4816' to 4312' inside casing. TIH with tubing. TIH and set 5.5" CR at 4292'. Pressure test tubing to 1000 PSI, held ok. Sting out of CR and pressure test casing to 1000 PSI, held ok. TOH with tubing. A Plus WL ran CBL from 4200' to surface. Found good cement in annulus up to 3414', cement stringers up to 1400'. TIH tubing to 1914'. SI Well. SDFD.

12/6/14 Check well pressures: casing, tubing, BH 0 PSI. Continue to TIH tubing and tag the CR at 4292'. Pump 5 bbls of water. Spot Plug #3. PUH to 3884' and mix 20 sxs gel to make 40 bbls of mud. Spot 9.0 ppg mud from 3884' to 2204'. TOH with tubing. A Plus WL perforate 3 HSC holes at 2200'. Establish rate into perforations 2 BPM at 400 PSI. TIH and set CR at 2147'. Pressure test casing above CR to 1000 PSI, held ok. Sting into CR and establish rate of 3 BPM at 750 PSI. Spot Plug #4. PUH above cement and spot a bbls of mud spacer from 1816' to 1312'. TOH with tubing. A Plus WL perforated at 1312'. Establish rate into squeeze holes 3 BPM at 700 PSI. Pump 7 bbls of water to establish circulation out BH valve. TIH and set CR at 1267'. Pressure test casing above CR to 900 PSI, held ok. Establish rate below CR of 3 BPM at 700 PSI. Spot Plug #5. PUH and WOC. SI Well. SDFD.

12/7/14 Check well pressures: casing, BH 0 PSI. TIH and tag TOC at 1124'. PUH to 1063'. Mix 26 bbl of mud and spot from 1063' to surface. A Plus WL perforate at 100'. Establish rate into perforations 2.5 bpm at 800 PSI. Pump 6 bbls of water to circulate BH annulus clean. Spot Plug #6. Dig out wellhead. Write Hot Work Permit. Cut off WH. Note: found cement at cut off point in 5.5" casing and the 9.625" annulus. Install underground P&A plate. No additional cement was needed. RD rig. MOL.
Marker Plate GPS: N 38° 41' 19" and W 110° 1' 19"
Jeff Brown, BLM representative, was on location.

12/21/14 Harrison Field Service completed the reclamation and re-seeding of the well pad.

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